

# ENVIRONMENTAL EMI / RFI BACKSHELL



Both individual and overall shieldings can be terminated in this type in addition to the cable sealing as possible in the Environmental Backshell. It is an ideal choice for heavy duty cabling solutions in harsh environment situations where electromagnetic and radio frequency noises are to be isolated.

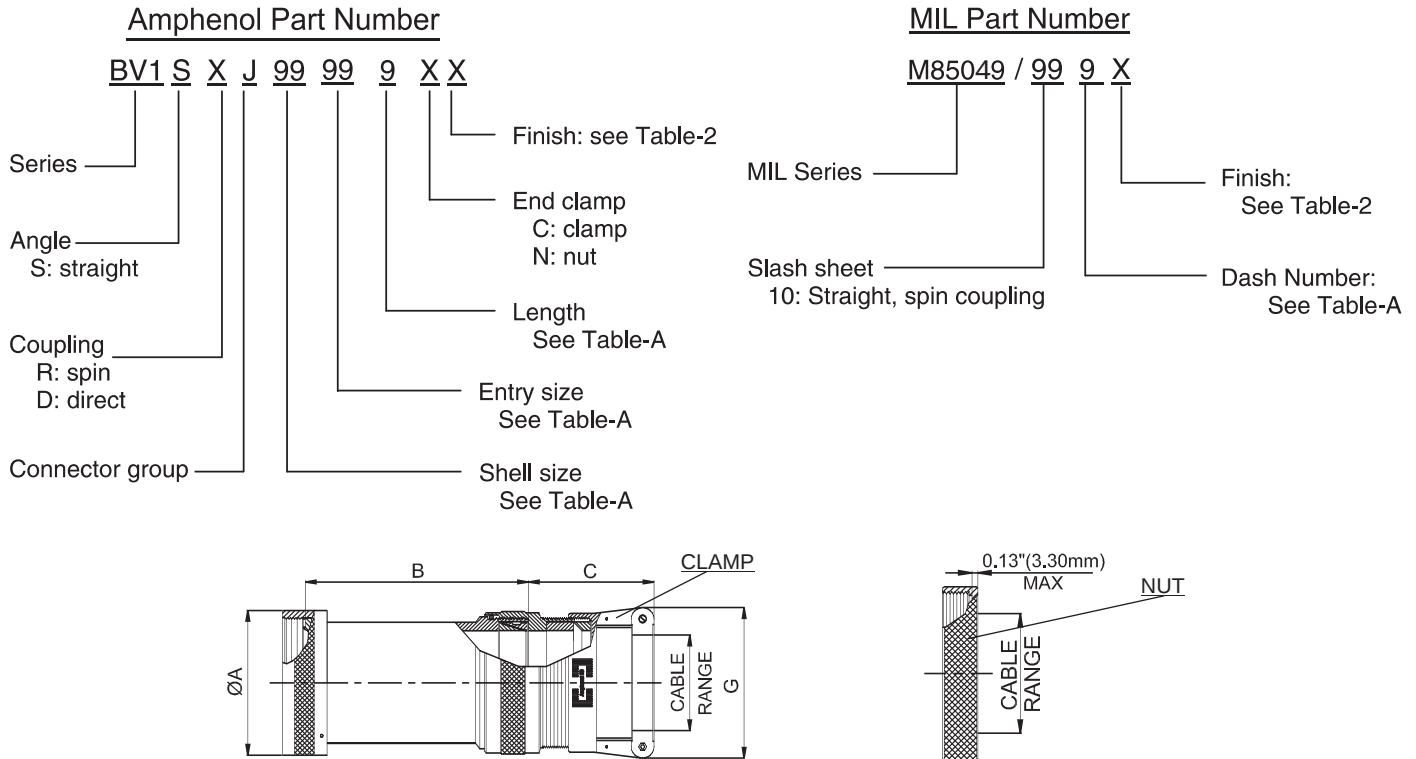
| For Connector Group |   | Page No.      |
|---------------------|---|---------------|
| J                   | → | IV-1 - IV-8   |
| K                   | → | IV-9 - IV-13  |
| L                   | → | IV-14 - IV-20 |
| M                   | → | IV-21 - IV-26 |
| N                   | → | IV-27 - IV-32 |

**Note:** For Connector group Identification refer Table 1 - A, B, C, D (Page 7-11) and for Material / Plating Finish, Refer Table-2 (Page 12)



### Connector Group - J

### Straight



NOTE: \* For more cable entry and length options, contact factory

| TABLE - A                          |               |        |                                  |                         |              |       |         |       |         |       |         |       |             |       |       |       |      |       |
|------------------------------------|---------------|--------|----------------------------------|-------------------------|--------------|-------|---------|-------|---------|-------|---------|-------|-------------|-------|-------|-------|------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | A DIA. (MAX) |       | B (MAX) |       | C (REF) |       | G (MAX) |       | CABLE RANGE |       |       |       |      |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | DASH NO                          |                         | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | MIN         |       | MAX   |       |      |       |
|                                    |               |        |                                  |                         |              |       |         |       |         |       |         |       | INCH        | MM    | INCH  | MM    |      |       |
| 08                                 | 01            | 1      | 5                                | 8                       | 0.62         | 15.67 | 2.13    | 54.10 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.25  | 6.35  |      |       |
|                                    |               | 2      | 6                                |                         | 0.62         | 15.67 | 3.13    | 79.50 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.25  | 6.35  |      |       |
|                                    | 02            | 1      | 7*                               |                         | 0.62         | 15.67 | 2.88    | 73.15 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44  | 11.10 |      |       |
|                                    |               | 2      | 8*                               |                         | 0.62         | 15.67 | 3.88    | 98.55 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44  | 11.10 |      |       |
|                                    |               | 10     | 01                               |                         | 1            | 9     | 10      | 0.73  | 18.64   | 2.13  | 54.10   | 1.54  | 39.22       | 0.96  | 24.31 | 0.13  | 3.18 | 0.31  |
| 2                                  | 10            |        |                                  | 0.73                    | 18.64        | 3.13  |         | 79.50 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31  | 7.92  |      |       |
| 02                                 | 1             |        | 11*                              | 0.73                    | 18.64        | 2.88  |         | 73.15 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44  | 11.10 |      |       |
|                                    | 2             |        | 12*                              | 0.73                    | 18.64        | 3.88  |         | 98.55 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44  | 11.10 |      |       |
| 03                                 | 1             |        | 136                              | 0.73                    | 18.64        | 2.13  |         | 54.10 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.38  | 9.53  |      |       |
|                                    | 2             |        | 137                              | 0.73                    | 18.64        | 3.13  |         | 79.50 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.38  | 9.53  |      |       |
|                                    | 12            |        | 01                               | 1                       | 13           | 7/12  |         | 0.86  | 21.79   | 2.13  | 54.10   | 1.54  | 39.22       | 1.15  | 29.08 | 0.25  | 6.35 | 0.44  |
| 2                                  |               |        |                                  | 14                      | 0.86         |       |         | 21.79 | 3.13    | 79.50 | 1.54    | 39.22 | 1.15        | 29.08 | 0.25  | 6.35  | 0.44 | 11.10 |
| 02                                 |               | 1      | 15*                              | 0.86                    | 21.79        |       | 2.88    | 73.15 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63  | 15.88 |      |       |
|                                    |               | 2      | 16*                              | 0.86                    | 21.79        |       | 3.88    | 98.55 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63  | 15.88 |      |       |
| 03                                 |               | 1      | 111                              | 0.86                    | 21.79        |       | 2.13    | 54.10 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.50  | 12.70 |      |       |
|                                    |               | 2      | 114                              | 0.86                    | 21.79        |       | 2.13    | 54.10 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31  | 7.92  |      |       |
| 04                                 |               | 1      | 115                              | 0.86                    | 21.79        |       | 3.13    | 79.50 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31  | 7.92  |      |       |
|                                    |               | 1      | 138                              | 0.86                    | 21.79        |       | 2.13    | 54.10 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.50  | 12.70 |      |       |
|                                    |               | 2      | 139                              | 0.86                    | 21.79        |       | 3.13    | 79.50 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.50  | 12.70 |      |       |

Table Continued

## Connector Group - J

## Straight

TABLE - A

| TABLE - A                          |               |        |                                  |                         |              |       |         |        |         |       |         |       |             |       |      |       |
|------------------------------------|---------------|--------|----------------------------------|-------------------------|--------------|-------|---------|--------|---------|-------|---------|-------|-------------|-------|------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | A DIA. (MAX) |       | B (MAX) |        | C (REF) |       | G (MAX) |       | CABLE RANGE |       |      |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | DASH NO                          |                         | INCH         | MM    | INCH    | MM     | INCH    | MM    | INCH    | MM    | MIN         |       | MAX  |       |
|                                    |               |        |                                  |                         |              |       |         |        |         |       |         |       | INCH        | MM    | INCH | MM    |
| 14                                 | 01            | 1      | 17                               | 12/14                   | 0.98         | 24.99 | 2.13    | 54.10  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                                    |               | 2      | 18                               |                         | 0.98         | 24.99 | 3.13    | 79.50  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                                    | 02            | 1      | 19*                              |                         | 0.98         | 24.99 | 2.88    | 73.15  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    |               | 2      | 20*                              |                         | 0.98         | 24.99 | 3.88    | 98.55  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 03            | 1      | 116                              |                         | 0.98         | 24.99 | 2.13    | 54.10  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    |               | 2      | 117                              |                         | 0.98         | 24.99 | 3.13    | 79.50  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 04            | 1      | 150                              |                         | 0.98         | 24.99 | 2.13    | 54.10  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    |               | 2      | 151                              |                         | 0.98         | 24.99 | 3.13    | 79.50  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 16                                 | 01            | 1      | 21                               | 19/16                   | 1.11         | 28.24 | 2.13    | 54.10  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                    |               | 2      | 22                               |                         | 1.11         | 28.24 | 3.13    | 79.50  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                    | 02            | 1      | 23*                              |                         | 1.11         | 28.24 | 2.88    | 73.15  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    |               | 2      | 24*                              |                         | 1.11         | 28.24 | 3.88    | 98.55  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 03            | 1      | 112                              |                         | 1.11         | 28.24 | 2.13    | 54.10  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    |               | 2      | 113                              |                         | 1.11         | 28.24 | 3.13    | 79.50  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 04            | 1      | 118                              |                         | 1.11         | 28.24 | 2.13    | 54.10  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    |               | 2      | 119                              |                         | 1.11         | 28.24 | 3.13    | 79.50  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 05            | 1      | 152                              |                         | 1.11         | 28.24 | 2.13    | 54.10  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    |               | 2      | 153                              |                         | 1.11         | 28.24 | 3.13    | 79.50  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 18                                 | 01            | 1      | 25                               | 27/18                   | 1.22         | 30.94 | 2.13    | 54.10  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    |               | 2      | 26                               |                         | 1.22         | 30.94 | 3.13    | 79.50  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 02            | 1      | 27                               |                         | 1.22         | 30.94 | 2.13    | 54.10  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    |               | 2      | 28                               |                         | 1.22         | 30.94 | 3.13    | 79.50  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 03            | 1      | 29*                              |                         | 1.22         | 30.94 | 2.88    | 73.15  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    |               | 2      | 30*                              |                         | 1.22         | 30.94 | 3.88    | 98.55  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 04            | 1      | 120                              |                         | 1.22         | 30.94 | 2.13    | 54.10  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    |               | 2      | 121                              |                         | 1.22         | 30.94 | 3.13    | 79.50  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    | 05            | 1      | 122                              |                         | 1.22         | 30.94 | 2.13    | 54.10  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    |               | 2      | 123                              |                         | 1.22         | 30.94 | 3.13    | 79.50  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
| 20                                 | 01            | 1      | 31                               | 37/20                   | 1.35         | 34.16 | 3.13    | 79.50  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    |               | 2      | 32                               |                         | 1.35         | 34.16 | 4.13    | 104.90 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 02            | 1      | 33                               |                         | 1.35         | 34.16 | 3.13    | 79.50  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    |               | 2      | 34                               |                         | 1.35         | 34.16 | 4.13    | 104.90 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 03            | 1      | 35*                              |                         | 1.35         | 34.16 | 3.88    | 98.55  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    |               | 2      | 36*                              |                         | 1.35         | 34.16 | 4.88    | 123.95 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 04            | 1      | 37*                              |                         | 1.35         | 34.16 | 3.88    | 98.55  | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    |               | 2      | 38*                              |                         | 1.35         | 34.16 | 4.88    | 123.95 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 05            | 1      | 124                              |                         | 1.35         | 34.16 | 3.13    | 79.50  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    |               | 2      | 125                              |                         | 1.35         | 34.16 | 4.13    | 104.90 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 06            | 1      | 140                              |                         | 1.35         | 34.16 | 3.13    | 79.50  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.90 | 22.96 |
|                                    |               | 2      | 141                              |                         | 1.35         | 34.16 | 4.13    | 104.90 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.90 | 22.96 |
| 22                                 | 01            | 1      | 39                               | 22                      | 1.47         | 37.29 | 3.13    | 79.50  | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    |               | 2      | 40                               |                         | 1.47         | 37.29 | 4.13    | 104.90 | 1.84    | 46.84 | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 02            | 1      | 41                               |                         | 1.47         | 37.29 | 3.13    | 79.50  | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    |               | 2      | 42                               |                         | 1.47         | 37.29 | 4.13    | 104.90 | 1.92    | 48.67 | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 03            | 1      | 43                               |                         | 1.47         | 37.29 | 3.13    | 79.50  | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    |               | 2      | 44                               |                         | 1.47         | 37.29 | 4.13    | 104.90 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 04            | 1      | 45*                              |                         | 1.47         | 37.29 | 3.88    | 98.55  | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    |               | 2      | 46*                              |                         | 1.47         | 37.29 | 4.88    | 123.95 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 05            | 1      | 126                              |                         | 1.47         | 37.29 | 3.13    | 79.50  | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    |               | 2      | 127                              |                         | 1.47         | 37.29 | 4.13    | 104.90 | 1.54    | 39.22 | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    | 06            | 1      | 128                              |                         | 1.47         | 37.29 | 3.13    | 79.50  | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    |               | 2      | 129                              |                         | 1.47         | 37.29 | 4.13    | 104.90 | 1.54    | 39.22 | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 07            | 1      | 142                              |                         | 1.47         | 37.29 | 3.13    | 79.50  | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.03 | 26.14 |
|                                    |               | 2      | 143                              |                         | 1.47         | 37.29 | 4.13    | 104.90 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.03 | 26.14 |

Table Continued

### Connector Group - J

### Straight

TABLE - A

| TABLE - A                          |               |        |                                  |                         |              |        |         |        |         |        |         |        |             |       |      |       |       |        |
|------------------------------------|---------------|--------|----------------------------------|-------------------------|--------------|--------|---------|--------|---------|--------|---------|--------|-------------|-------|------|-------|-------|--------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | A DIA. (MAX) |        | B (MAX) |        | C (REF) |        | G (MAX) |        | CABLE RANGE |       |      |       |       |        |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | DASH NO                          |                         | INCH         | MM     | INCH    | MM     | INCH    | MM     | INCH    | MM     | MIN         |       | MAX  |       |       |        |
|                                    |               |        |                                  |                         |              |        |         |        |         |        |         |        | INCH        | MM    | INCH | MM    |       |        |
| 24                                 | 01            | 1      | 47                               | 24                      | 1.59         | 40.46  | 3.13    | 79.50  | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    |               | 2      | 48                               |                         | 1.59         | 40.46  | 4.13    | 104.90 | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    | 02            | 1      | 49                               |                         | 1.59         | 40.46  | 3.13    | 79.50  | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.81 | 20.62 |       |        |
|                                    |               | 2      | 50                               |                         | 1.59         | 40.46  | 4.13    | 104.90 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.81 | 20.62 |       |        |
|                                    | 03            | 1      | 51                               |                         | 1.59         | 40.46  | 3.13    | 79.50  | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.94 | 23.80 |       |        |
|                                    |               | 2      | 52                               |                         | 1.59         | 40.46  | 4.13    | 104.90 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.94 | 23.80 |       |        |
|                                    | 04            | 1      | 53*                              |                         | 1.59         | 40.46  | 3.88    | 98.55  | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.25 | 31.75 |       |        |
|                                    |               | 2      | 54*                              |                         | 1.59         | 40.46  | 4.88    | 123.95 | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.25 | 31.75 |       |        |
|                                    | 05            | 1      | 130                              |                         | 1.59         | 40.46  | 3.13    | 79.50  | 1.84    | 46.84  | 1.33    | 33.83  | 0.35        | 8.89  | 0.63 | 15.88 |       |        |
|                                    |               | 2      | 131                              |                         | 1.59         | 40.46  | 4.13    | 104.90 | 1.84    | 46.84  | 1.33    | 33.83  | 0.35        | 8.89  | 0.63 | 15.88 |       |        |
|                                    | 06            | 1      | 144                              |                         | 1.59         | 40.46  | 3.13    | 79.50  | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.14 | 29.06 |       |        |
|                                    |               | 2      | 145                              |                         | 1.59         | 40.46  | 4.13    | 104.90 | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.14 | 29.06 |       |        |
| 28                                 | 01            | 1      | 55                               | 28                      | 1.97         | 50.01  | 3.13    | 79.50  | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    |               | 2      | 56                               |                         | 1.97         | 50.01  | 4.13    | 104.90 | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    | 02            | 1      | 57                               |                         | 1.97         | 50.01  | 3.13    | 79.50  | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.94 | 23.80 |       |        |
|                                    |               | 2      | 58                               |                         | 1.97         | 50.01  | 4.13    | 104.90 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.94 | 23.80 |       |        |
|                                    | 03            | 1      | 59                               |                         | 1.97         | 50.01  | 3.13    | 79.50  | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.25 | 31.75 |       |        |
|                                    |               | 2      | 60                               |                         | 1.97         | 50.01  | 4.13    | 104.90 | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.25 | 31.75 |       |        |
|                                    | 04            | 1      | 61                               |                         | 1.97         | 50.01  | 3.13    | 79.50  | 2.02    | 51.41  | 23.63   | 600.20 | 1.00        | 25.40 | 1.38 | 34.93 |       |        |
|                                    |               | 2      | 62                               |                         | 1.97         | 50.01  | 4.13    | 104.90 | 2.02    | 51.41  | 2.36    | 60.02  | 1.00        | 25.40 | 1.38 | 34.93 |       |        |
|                                    | 32            | 01     | 1                                |                         | 63           | 32     | 2.22    | 56.36  | 3.13    | 79.50  | 2.00    | 50.80  | 1.77        | 44.96 | 0.63 | 15.88 | 0.94  | 23.80  |
|                                    |               |        | 2                                |                         | 64           |        | 2.22    | 56.36  | 4.13    | 104.90 | 2.00    | 50.80  | 1.77        | 44.96 | 0.63 | 15.88 | 0.94  | 23.80  |
|                                    |               | 02     | 1                                |                         | 65           |        | 2.22    | 56.36  | 3.13    | 79.50  | 2.23    | 56.64  | 2.11        | 53.67 | 0.88 | 22.23 | 12.50 | 317.50 |
|                                    |               |        | 2                                |                         | 66           |        | 2.22    | 56.36  | 4.13    | 104.90 | 2.23    | 56.64  | 2.11        | 53.67 | 0.88 | 22.23 | 1.25  | 31.75  |
| 03                                 |               | 1      | 67                               | 2.22                    | 56.36        |        | 3.13    | 79.50  | 2.02    | 51.41  | 2.36    | 60.02  | 1.00        | 25.40 | 1.38 | 34.93 |       |        |
|                                    |               | 2      | 68                               | 2.22                    | 56.36        |        | 4.13    | 104.90 | 2.02    | 51.41  | 2.36    | 60.02  | 1.00        | 25.40 | 1.38 | 34.93 |       |        |
| 04                                 |               | 1      | 69                               | 2.22                    | 56.36        |        | 3.13    | 79.50  | 2.55    | 64.77  | 2.77    | 70.36  | 1.25        | 31.75 | 1.63 | 41.28 |       |        |
|                                    |               | 2      | 70                               | 2.22                    | 56.36        |        | 4.13    | 104.90 | 2.55    | 64.77  | 2.77    | 70.36  | 1.25        | 31.75 | 1.63 | 41.28 |       |        |
| 36                                 |               | 01     | 1                                | 71                      | 36           |        | 2.47    | 62.71  | 4.13    | 104.90 | 2.23    | 56.64  | 2.11        | 53.67 | 0.88 | 22.23 | 1.25  | 31.75  |
|                                    |               |        | 2                                | 72                      |              |        | 2.47    | 62.71  | 5.13    | 130.30 | 2.23    | 56.64  | 2.11        | 53.67 | 0.88 | 22.23 | 1.25  | 31.75  |
|                                    |               | 02     | 1                                | 73                      |              |        | 2.47    | 62.71  | 4.13    | 104.90 | 2.02    | 51.41  | 2.36        | 60.02 | 1.00 | 25.40 | 1.38  | 34.93  |
|                                    |               |        | 2                                | 74                      |              |        | 2.47    | 62.71  | 5.13    | 130.30 | 2.02    | 51.41  | 2.36        | 60.02 | 1.00 | 25.40 | 1.38  | 34.93  |
|                                    | 03            | 1      | 75                               | 2.47                    |              | 62.71  | 4.13    | 104.90 | 2.55    | 64.77  | 2.77    | 70.36  | 1.25        | 31.75 | 1.63 | 41.28 |       |        |
|                                    |               | 2      | 76                               | 2.47                    |              | 62.71  | 5.13    | 130.30 | 2.55    | 64.77  | 2.77    | 70.36  | 1.25        | 31.75 | 1.63 | 41.28 |       |        |
|                                    | 04            | 1      | 77*                              | 2.47                    |              | 62.71  | 5.01    | 127.25 | 2.60    | 66.04  | 3.02    | 76.71  | 1.44        | 36.50 | 1.88 | 47.63 |       |        |
|                                    |               | 2      | 78*                              | 2.47                    |              | 62.71  | 6.01    | 152.65 | 2.60    | 66.04  | 3.02    | 76.71  | 1.44        | 36.50 | 1.88 | 47.63 |       |        |
|                                    | 05            | 1      | 132                              | 2.47                    |              | 62.71  | 4.13    | 104.90 | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    |               | 2      | 133                              | 2.47                    |              | 62.71  | 5.13    | 130.30 | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    | 06            | 1      | 146                              | 2.47                    |              | 62.71  | 4.13    | 104.90 | 2.60    | 66.04  | 3.02    | 76.71  | 1.44        | 36.50 | 1.84 | 46.74 |       |        |
|                                    |               | 2      | 147                              | 2.47                    |              | 62.71  | 5.13    | 130.30 | 2.60    | 66.04  | 3.02    | 76.71  | 1.44        | 36.50 | 1.84 | 46.74 |       |        |
| 07                                 | 1             | 148    | 2.47                             | 62.71                   | 4.13         | 104.90 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63    | 15.88  | 0.94        | 23.80 |      |       |       |        |
|                                    | 2             | 149    | 2.47                             | 62.71                   | 5.13         | 130.30 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63    | 15.88  | 0.94        | 23.80 |      |       |       |        |
| 40                                 | 01            | 1      | 79                               | 40                      | 2.72         | 69.06  | 4.13    | 104.90 | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.25 | 31.75 |       |        |
|                                    |               | 2      | 80                               |                         | 2.72         | 69.06  | 5.13    | 130.30 | 2.23    | 56.64  | 2.11    | 53.67  | 0.88        | 22.23 | 1.25 | 31.75 |       |        |
|                                    | 02            | 1      | 81                               |                         | 2.72         | 69.06  | 4.13    | 104.90 | 2.02    | 51.41  | 2.36    | 60.02  | 1.00        | 25.40 | 1.38 | 34.93 |       |        |
|                                    |               | 2      | 82                               |                         | 2.72         | 69.06  | 5.13    | 130.30 | 2.02    | 51.41  | 2.36    | 60.02  | 1.00        | 25.40 | 1.38 | 34.93 |       |        |
|                                    | 03            | 1      | 83                               |                         | 2.72         | 69.06  | 4.13    | 104.90 | 2.55    | 64.77  | 2.77    | 70.36  | 1.25        | 31.75 | 1.63 | 41.28 |       |        |
|                                    |               | 2      | 84                               |                         | 2.72         | 69.06  | 5.13    | 130.30 | 2.55    | 64.77  | 2.77    | 70.36  | 1.25        | 31.75 | 1.63 | 41.28 |       |        |
|                                    | 04            | 1      | 85                               |                         | 2.72         | 69.06  | 4.13    | 104.90 | 2.60    | 66.04  | 3.02    | 76.71  | 1.44        | 36.50 | 1.88 | 47.63 |       |        |
|                                    |               | 2      | 86                               |                         | 2.72         | 69.06  | 5.13    | 130.30 | 2.60    | 66.04  | 3.02    | 76.71  | 1.44        | 36.50 | 1.88 | 47.63 |       |        |
|                                    | 05            | 1      | 134                              |                         | 2.72         | 69.06  | 4.13    | 104.90 | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    |               | 2      | 135                              |                         | 2.72         | 69.06  | 5.13    | 130.30 | 1.92    | 48.67  | 1.55    | 39.40  | 0.50        | 12.70 | 0.75 | 19.05 |       |        |
|                                    | 06            | 1      | 156                              |                         | 2.72         | 69.06  | 4.13    | 104.90 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.94 | 23.80 |       |        |
|                                    |               | 2      | 157                              |                         | 2.72         | 69.06  | 5.13    | 130.30 | 2.00    | 50.80  | 1.77    | 44.96  | 0.63        | 15.88 | 0.94 | 23.80 |       |        |

Table Continued

## Connector Group - J

## Straight

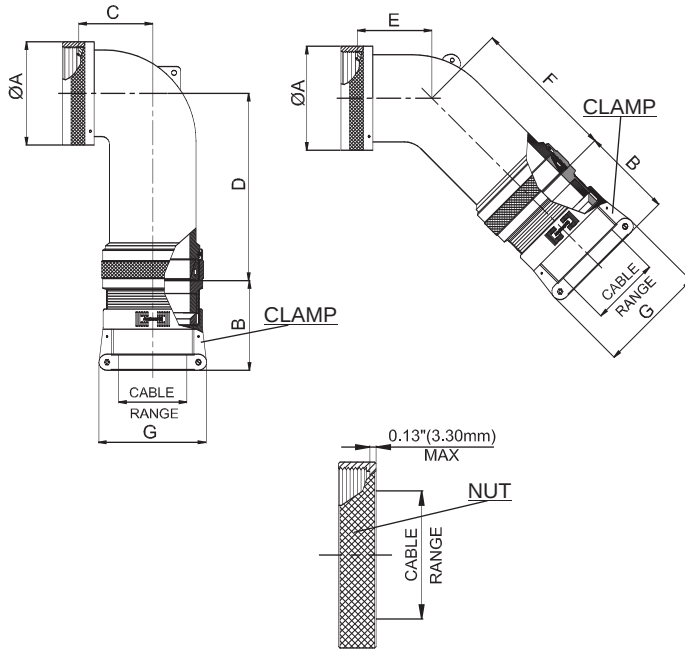
TABLE - A

| TABLE - A                          |               |        |                                  |                         |              |       |         |        |         |       |         |       |             |       |      |       |
|------------------------------------|---------------|--------|----------------------------------|-------------------------|--------------|-------|---------|--------|---------|-------|---------|-------|-------------|-------|------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | A DIA. (MAX) |       | B (MAX) |        | C (REF) |       | G (MAX) |       | CABLE RANGE |       |      |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | DASH NO                          |                         | INCH         | MM    | INCH    | MM     | INCH    | MM    | INCH    | MM    | MIN         |       | MAX  |       |
|                                    |               |        |                                  |                         |              |       |         |        |         |       |         |       | INCH        | MM    | INCH | MM    |
| 44                                 | 01            | 1      | 87                               | 44                      | 2.97         | 75.41 | 4.13    | 104.90 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    |               | 2      | 88                               |                         | 2.97         | 75.41 | 5.13    | 130.30 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 02            | 1      | 89                               |                         | 2.97         | 75.41 | 4.13    | 104.90 | 2.02    | 51.41 | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    |               | 2      | 90                               |                         | 2.97         | 75.41 | 5.13    | 130.30 | 2.02    | 51.41 | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 1      | 91                               |                         | 2.97         | 75.41 | 4.13    | 104.90 | 2.55    | 64.77 | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
|                                    |               | 2      | 92                               |                         | 2.97         | 75.41 | 5.13    | 130.30 | 2.55    | 64.77 | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
|                                    | 04            | 1      | 93                               |                         | 2.97         | 75.41 | 4.13    | 104.90 | 2.60    | 66.04 | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |
|                                    |               | 2      | 94                               |                         | 2.97         | 75.41 | 5.13    | 130.30 | 2.60    | 66.04 | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |
|                                    | 05            | 1      | 154                              |                         | 2.97         | 75.41 | 4.13    | 104.90 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    |               | 2      | 155                              |                         | 2.97         | 75.41 | 5.13    | 130.30 | 2.00    | 50.80 | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 48                                 | 01            | 1      | 95                               | 48                      | 3.22         | 81.76 | 4.13    | 104.90 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    |               | 2      | 96                               |                         | 3.22         | 81.76 | 5.13    | 130.30 | 2.23    | 56.64 | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 02            | 1      | 97                               |                         | 3.22         | 81.76 | 4.13    | 104.90 | 2.02    | 51.41 | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    |               | 2      | 98                               |                         | 3.22         | 81.76 | 5.13    | 130.30 | 2.02    | 51.41 | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 1      | 99                               |                         | 3.22         | 81.76 | 4.13    | 104.90 | 2.55    | 64.77 | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
|                                    |               | 2      | 100                              |                         | 3.22         | 81.76 | 5.13    | 130.30 | 2.55    | 64.77 | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
|                                    | 04            | 1      | 101                              |                         | 3.22         | 81.76 | 4.13    | 104.90 | 2.60    | 66.04 | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |
|                                    |               | 2      | 102                              |                         | 3.22         | 81.76 | 5.13    | 130.30 | 2.60    | 66.04 | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |

(\*) ---- DENOTES STYLE 2

### Connector Group - J

90°, 45°



#### Amphenol Part Number

BV1 X X J 99 99 9 X X

Series ———  
Angle ———  
A: 90deg  
B: 45deg  
Coupling ———  
R: spin  
Connector group ———

Finish: see Table-2  
End clamp  
C: clamp  
N: nut  
Length  
9: Not applicable  
Entry size  
See Table-B  
Shell size  
See Table-B

#### MIL Part Number

M85049 / 99 9 X

MIL Series ———  
Slash sheet ———  
8: 90deg, spin coupling  
6: 45deg, spin coupling

Finish:  
See Table-2  
Dash Number:  
See Table-B

NOTE: \* For more cable entry options, contact factory

TABLE - B

| AMPHENOL PART NUMBER DESIGNATOR |            | MIL PART NUMBER DESIGNATOR | CONNECTOR SHELL SIZE | A DIA. (MAX) |       | B (REF) |       | C (MAX) |       | D (MAX) |       | E (MAX) |       | F (MAX) |       |
|---------------------------------|------------|----------------------------|----------------------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| SHELL SIZE                      | ENTRY SIZE | DASH NO                    |                      | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
| 08                              | 01         | 3                          | 8                    | 0.62         | 15.67 | 1.54    | 39.22 | 0.67    | 17.02 | 1.26    | 32.00 | 0.63    | 16.00 | 1.25    | 31.75 |
| 10                              | 01         | 4                          | 10                   | 0.73         | 18.64 | 1.54    | 39.22 | 0.76    | 19.30 | 1.98    | 50.29 | 0.69    | 17.53 | 1.92    | 48.77 |
|                                 | 02         | 49*                        |                      | 0.73         | 18.64 | 1.54    | 39.22 | 1.52    | 38.61 | 2.00    | 50.80 | 1.50    | 38.10 | 1.98    | 50.29 |
|                                 | 03         | 5                          |                      | 0.73         | 18.64 | 1.54    | 39.22 | 0.76    | 19.30 | 1.38    | 35.05 | 0.69    | 17.53 | 1.31    | 33.27 |
| 12                              | 01         | 6                          | 7/12                 | 0.86         | 21.79 | 1.54    | 39.22 | 0.77    | 19.56 | 2.00    | 50.80 | 0.75    | 19.05 | 1.98    | 50.29 |
|                                 | 02         | 71*                        |                      | 0.86         | 21.79 | 1.84    | 46.84 | 1.81    | 45.97 | 2.16    | 54.86 | 1.65    | 41.91 | 2.18    | 55.37 |
|                                 | 03         | 7                          |                      | 0.86         | 21.79 | 1.54    | 39.22 | 0.77    | 19.56 | 2.00    | 50.80 | 0.75    | 19.05 | 1.98    | 50.29 |
|                                 | 04         | 8                          |                      | 0.86         | 21.79 | 1.84    | 46.84 | 0.77    | 19.56 | 1.40    | 35.56 | 0.75    | 19.05 | 1.98    | 50.29 |
| 14                              | 01         | 9                          | 12/14                | 0.98         | 24.99 | 1.54    | 39.22 | 0.87    | 22.10 | 2.07    | 52.58 | 0.81    | 20.57 | 2.07    | 52.58 |
|                                 | 02         | 10                         |                      | 0.98         | 24.99 | 1.84    | 46.84 | 0.87    | 22.10 | 1.72    | 43.69 | 0.81    | 20.57 | 1.72    | 43.69 |
|                                 | 03         | 50*                        |                      | 0.98         | 24.99 | 1.92    | 48.67 | 1.89    | 48.01 | 2.33    | 59.18 | 1.84    | 46.74 | 2.37    | 60.20 |
|                                 | 04         | 74                         |                      | 0.98         | 24.99 | 1.54    | 39.22 | 0.87    | 22.10 | 2.07    | 52.58 | 0.81    | 20.57 | 2.07    | 52.58 |
| 16                              | 01         | 11                         | 19/16                | 1.11         | 28.24 | 1.54    | 39.22 | 1.05    | 26.67 | 2.16    | 54.86 | 0.91    | 23.11 | 2.18    | 55.37 |
|                                 | 02         | 12                         |                      | 1.11         | 28.24 | 1.92    | 48.67 | 1.05    | 26.67 | 1.81    | 45.97 | 0.91    | 23.11 | 1.82    | 46.23 |
|                                 | 03         | 40                         |                      | 1.11         | 28.24 | 1.84    | 46.84 | 1.05    | 26.67 | 2.16    | 54.86 | 0.91    | 23.11 | 2.18    | 55.37 |
|                                 | 04         | 51*                        |                      | 1.11         | 28.24 | 2.00    | 50.80 | 2.04    | 51.82 | 2.44    | 61.98 | 1.94    | 49.28 | 2.52    | 64.01 |
|                                 | 05         | 75                         |                      | 1.11         | 28.24 | 1.54    | 39.22 | 1.05    | 26.67 | 2.16    | 54.86 | 0.91    | 23.11 | 2.18    | 55.37 |
| 18                              | 01         | 13                         | 27/18                | 1.22         | 30.94 | 1.84    | 46.84 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                 | 02         | 14                         |                      | 1.22         | 30.94 | 2.00    | 50.80 | 1.14    | 28.96 | 1.98    | 50.29 | 1.09    | 27.69 | 2.00    | 50.80 |
|                                 | 03         | 41                         |                      | 1.22         | 30.94 | 1.54    | 39.22 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                 | 04         | 42                         |                      | 1.22         | 30.94 | 1.54    | 39.22 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                 | 05         | 52                         |                      | 1.22         | 30.94 | 1.92    | 48.67 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                 | 06         | 72*                        |                      | 1.22         | 30.94 | 2.00    | 50.80 | 2.05    | 52.07 | 2.44    | 61.98 | 1.94    | 49.28 | 2.52    | 64.01 |

Table Continued

## Connector Group - J

90°, 45°

TABLE - B

| AMPHENOL PART<br>NUMBER DESIGNATOR |               | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | A DIA. (MAX) |       | B (REF) |       | C (MAX) |       | D (MAX) |       | E (MAX) |       | F (MAX) |       |
|------------------------------------|---------------|----------------------------------|-------------------------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| SHELL SIZE                         | ENTRY<br>SIZE | DASH NO                          |                         | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
| 20                                 | 01            | 15                               | 37/20                   | 1.35         | 34.16 | 1.84    | 46.84 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                    | 02            | 16                               |                         | 1.35         | 34.16 | 2.00    | 50.80 | 1.14    | 28.96 | 1.98    | 50.29 | 1.09    | 27.69 | 2.00    | 50.80 |
|                                    | 03            | 43                               |                         | 1.35         | 34.16 | 1.54    | 39.22 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                    | 04            | 54                               |                         | 1.35         | 34.16 | 1.92    | 48.67 | 1.14    | 28.96 | 2.33    | 59.18 | 1.09    | 27.69 | 2.37    | 60.20 |
|                                    | 05            | 55                               |                         | 1.35         | 34.16 | 2.23    | 56.64 | 2.14    | 54.36 | 2.61    | 66.29 | 2.06    | 52.32 | 2.57    | 65.28 |
| 22                                 | 01            | 17                               | 22                      | 1.47         | 37.29 | 1.92    | 48.72 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 02            | 18                               |                         | 1.47         | 37.29 | 2.23    | 56.64 | 1.29    | 32.77 | 2.09    | 53.09 | 1.19    | 30.23 | 2.16    | 54.86 |
|                                    | 03            | 44                               |                         | 1.47         | 37.29 | 1.54    | 39.22 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 04            | 45                               |                         | 1.47         | 37.29 | 1.54    | 39.22 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 05            | 56                               |                         | 1.47         | 37.29 | 1.84    | 46.84 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 06            | 57                               |                         | 1.47         | 37.29 | 2.00    | 50.80 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 07            | 58*                              |                         | 1.47         | 37.29 | 2.23    | 56.64 | 2.14    | 54.36 | 2.61    | 66.29 | 2.06    | 52.32 | 2.57    | 65.28 |
| 24                                 | 01            | 19                               | 24                      | 1.59         | 40.46 | 1.92    | 48.67 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 02            | 20                               |                         | 1.59         | 40.46 | 2.23    | 56.64 | 1.29    | 32.77 | 2.09    | 53.09 | 1.19    | 30.23 | 2.16    | 54.86 |
|                                    | 03            | 46                               |                         | 1.59         | 40.46 | 1.84    | 46.84 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 04            | 59                               |                         | 1.59         | 40.46 | 2.00    | 50.80 | 1.29    | 32.77 | 2.44    | 61.98 | 1.19    | 30.23 | 2.52    | 64.01 |
|                                    | 05            | 73*                              |                         | 1.59         | 40.46 | 2.23    | 56.64 | 2.15    | 54.61 | 2.61    | 66.29 | 2.06    | 52.32 | 2.57    | 65.28 |
| 28                                 | 01            | 21                               | 28                      | 1.97         | 50.01 | 2.00    | 50.80 | 1.39    | 35.31 | 2.61    | 66.29 | 1.31    | 33.27 | 2.57    | 65.28 |
|                                    | 02            | 22                               |                         | 1.97         | 50.01 | 2.02    | 51.41 | 1.39    | 35.31 | 2.26    | 57.40 | 1.31    | 33.27 | 2.22    | 56.39 |
|                                    | 03            | 60                               |                         | 1.97         | 50.01 | 1.92    | 48.67 | 1.39    | 35.31 | 2.61    | 66.29 | 1.31    | 33.27 | 2.57    | 65.28 |
|                                    | 04            | 61                               |                         | 1.97         | 50.01 | 2.23    | 56.64 | 1.39    | 35.31 | 2.61    | 66.29 | 1.31    | 33.27 | 2.57    | 65.28 |
| 32                                 | 01            | 23                               | 32                      | 2.22         | 56.36 | 2.00    | 50.80 | 1.74    | 44.20 | 2.86    | 72.64 | 1.38    | 35.05 | 2.67    | 67.82 |
|                                    | 02            | 24                               |                         | 2.22         | 56.36 | 2.23    | 56.64 | 1.74    | 44.20 | 2.86    | 72.64 | 1.38    | 35.05 | 2.67    | 67.82 |
|                                    | 03            | 25                               |                         | 2.22         | 56.36 | 2.55    | 64.77 | 1.74    | 44.20 | 2.51    | 63.75 | 1.38    | 35.05 | 2.32    | 58.93 |
|                                    | 04            | 62                               |                         | 2.22         | 56.36 | 2.02    | 51.41 | 1.74    | 44.20 | 2.86    | 72.64 | 1.38    | 35.05 | 2.67    | 67.82 |
| 36                                 | 01            | 26                               | 36                      | 2.47         | 62.71 | 2.00    | 50.80 | 1.94    | 49.28 | 2.83    | 71.88 | 1.41    | 35.81 | 2.76    | 70.10 |
|                                    | 02            | 27                               |                         | 2.47         | 62.71 | 2.02    | 51.41 | 1.94    | 49.28 | 2.83    | 71.88 | 1.41    | 35.81 | 2.76    | 70.10 |
|                                    | 03            | 28                               |                         | 2.47         | 62.71 | 2.60    | 66.04 | 1.94    | 49.28 | 2.48    | 62.99 | 1.41    | 35.81 | 2.41    | 61.21 |
|                                    | 04            | 47                               |                         | 2.47         | 62.71 | 1.92    | 48.67 | 1.94    | 49.28 | 2.83    | 71.88 | 1.41    | 35.81 | 2.76    | 70.10 |
|                                    | 05            | 63                               |                         | 2.47         | 62.71 | 2.23    | 56.64 | 1.94    | 49.28 | 2.83    | 71.88 | 1.41    | 35.81 | 2.76    | 70.10 |
|                                    | 06            | 64                               |                         | 2.47         | 62.71 | 2.55    | 64.77 | 1.94    | 49.28 | 2.83    | 71.88 | 1.41    | 35.81 | 2.76    | 70.10 |
| 40                                 | 01            | 29                               | 40                      | 2.72         | 69.06 | 2.00    | 50.80 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 02            | 30                               |                         | 2.72         | 69.06 | 2.02    | 51.41 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 03            | 31                               |                         | 2.72         | 69.06 | 2.60    | 66.04 | 2.69    | 68.33 | 2.48    | 62.99 | 2.16    | 54.86 | 2.41    | 61.21 |
|                                    | 04            | 48                               |                         | 2.72         | 69.06 | 1.92    | 48.67 | 1.94    | 49.28 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 05            | 65                               |                         | 2.72         | 69.06 | 2.23    | 56.64 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 06            | 66                               |                         | 2.72         | 69.06 | 2.55    | 64.77 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
| 44                                 | 01            | 32                               | 44                      | 2.97         | 75.41 | 2.00    | 50.80 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 02            | 33                               |                         | 2.97         | 75.41 | 2.02    | 51.41 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 03            | 34                               |                         | 2.97         | 75.41 | 2.60    | 66.04 | 2.69    | 68.33 | 2.48    | 62.99 | 2.16    | 54.86 | 2.41    | 61.21 |
|                                    | 04            | 67                               |                         | 2.97         | 75.41 | 2.23    | 56.64 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 05            | 68                               |                         | 2.97         | 75.41 | 2.55    | 64.77 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
| 48                                 | 01            | 35                               | 48                      | 3.22         | 81.76 | 2.00    | 50.80 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 02            | 36                               |                         | 3.22         | 81.76 | 2.02    | 51.41 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 03            | 37                               |                         | 3.22         | 81.76 | 2.60    | 66.04 | 2.69    | 68.33 | 2.48    | 62.99 | 2.16    | 54.86 | 2.41    | 61.21 |
|                                    | 04            | 69                               |                         | 3.22         | 81.76 | 2.23    | 56.64 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |
|                                    | 05            | 70                               |                         | 3.22         | 81.76 | 2.55    | 64.77 | 2.69    | 68.33 | 2.83    | 71.88 | 2.16    | 54.86 | 2.76    | 70.10 |

(\*) ---- DENOTES STYLE 2

Table Continued

Connector Group - J

90°, 45°

| TABLE - B                          |               |                                  |                         |         |       |             |       |      |       |
|------------------------------------|---------------|----------------------------------|-------------------------|---------|-------|-------------|-------|------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | G (MAX) |       | CABLE RANGE |       |      |       |
| SHELL SIZE                         | ENTRY<br>SIZE | DASH NO                          |                         | INCH    | MM    | MIN         |       | MAX  |       |
|                                    |               |                                  |                         |         |       | INCH        | MM    | INCH | MM    |
| 08                                 | 01            | 3                                | 8                       | 0.96    | 24.31 | 0.13        | 3.18  | 0.25 | 6.35  |
| 10                                 | 01            | 4                                | 10                      | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    | 02            | 49*                              |                         | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 03            | 5                                |                         | 1.15    | 29.08 | 0.25        | 6.35  | 0.38 | 9.53  |
| 12                                 | 01            | 6                                | 7/12                    | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    | 02            | 71*                              |                         | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 03            | 7                                |                         | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 04            | 8                                |                         | 1.33    | 33.83 | 0.35        | 8.89  | 0.50 | 12.70 |
| 14                                 | 01            | 9                                | 12/14                   | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 02            | 10                               |                         | 1.33    | 33.83 | 0.35        | 8.89  | 0.58 | 14.61 |
|                                    | 03            | 50*                              |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 04            | 74                               |                         | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 16                                 | 01            | 11                               | 19/16                   | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 02            | 12                               |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.70 | 17.78 |
|                                    | 03            | 40                               |                         | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 04            | 51*                              |                         | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 05            | 75                               |                         | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
| 18                                 | 01            | 13                               | 27/18                   | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 02            | 14                               |                         | 1.77    | 44.96 | 0.63        | 15.88 | 0.78 | 19.79 |
|                                    | 03            | 41                               |                         | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    | 04            | 42                               |                         | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 05            | 52                               |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 06            | 72*                              |                         | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
| 20                                 | 01            | 15                               | 37/20                   | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 02            | 16                               |                         | 1.77    | 44.96 | 0.63        | 15.88 | 0.90 | 22.96 |
|                                    | 03            | 43                               |                         | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 04            | 54                               |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 05            | 55                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
| 22                                 | 01            | 17                               | 22                      | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 02            | 18                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.03 | 26.14 |
|                                    | 03            | 44                               |                         | 0.96    | 24.31 | 0.13        | 3.18  | 0.31 | 7.92  |
|                                    | 04            | 45                               |                         | 1.15    | 29.08 | 0.25        | 6.35  | 0.44 | 11.10 |
|                                    | 05            | 56                               |                         | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 06            | 57                               |                         | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 07            | 58*                              |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
| 24                                 | 01            | 19                               | 24                      | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 02            | 20                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.14 | 29.06 |
|                                    | 03            | 46                               |                         | 1.33    | 33.83 | 0.35        | 8.89  | 0.63 | 15.88 |
|                                    | 04            | 59                               |                         | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 05            | 73*                              |                         | 2.12    | 53.75 | 0.88        | 22.23 | 1.25 | 31.75 |
| 28                                 | 01            | 21                               | 28                      | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 02            | 22                               |                         | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 60                               |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 04            | 61                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
| 32                                 | 01            | 23                               | 32                      | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 02            | 24                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 03            | 25                               |                         | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
|                                    | 04            | 62                               |                         | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |

Table Continued



## Connector Group - J

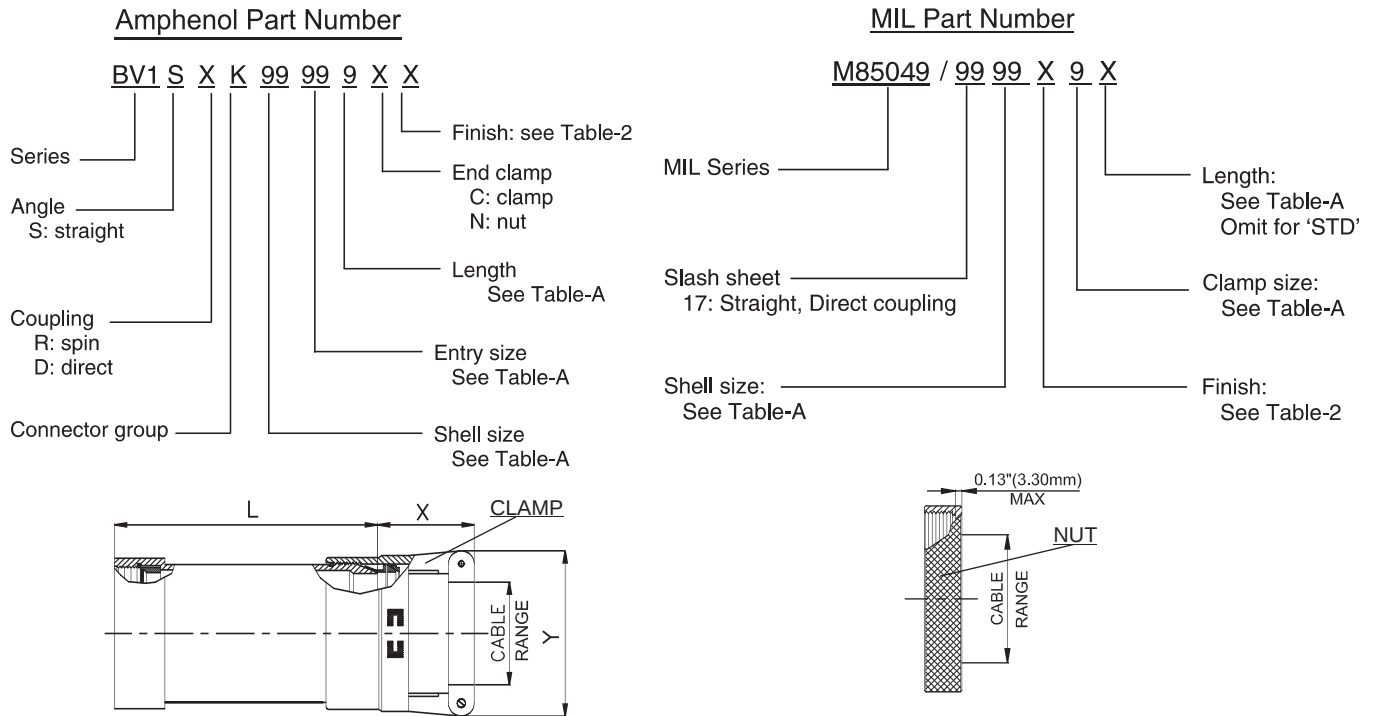
90°, 45°

| TABLE - B                          |               |                                  |                         |         |       |             |       |      |       |
|------------------------------------|---------------|----------------------------------|-------------------------|---------|-------|-------------|-------|------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               | MIL PART<br>NUMBER<br>DESIGNATOR | CONNECTOR<br>SHELL SIZE | G (MAX) |       | CABLE RANGE |       |      |       |
| SHELL SIZE                         | ENTRY<br>SIZE | DASH NO                          |                         | INCH    | MM    | MIN         |       | MAX  |       |
|                                    |               |                                  |                         |         |       | INCH        | MM    | INCH | MM    |
| 36                                 | 01            | 26                               | 36                      | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 02            | 27                               |                         | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 28                               |                         | 3.02    | 76.71 | 1.44        | 36.50 | 1.84 | 46.74 |
|                                    | 04            | 47                               |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 05            | 63                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 06            | 64                               |                         | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
| 40                                 | 01            | 29                               | 40                      | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 02            | 30                               |                         | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 31                               |                         | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |
|                                    | 04            | 48                               |                         | 1.55    | 39.40 | 0.50        | 12.70 | 0.75 | 19.05 |
|                                    | 05            | 65                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 06            | 66                               |                         | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
| 44                                 | 01            | 32                               | 44                      | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 02            | 33                               |                         | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 34                               |                         | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |
|                                    | 04            | 67                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 05            | 68                               |                         | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |
| 48                                 | 01            | 35                               | 48                      | 1.77    | 44.96 | 0.63        | 15.88 | 0.94 | 23.80 |
|                                    | 02            | 36                               |                         | 2.36    | 60.02 | 1.00        | 25.40 | 1.38 | 34.93 |
|                                    | 03            | 37                               |                         | 3.02    | 76.71 | 1.44        | 36.50 | 1.88 | 47.63 |
|                                    | 04            | 69                               |                         | 2.11    | 53.67 | 0.88        | 22.23 | 1.25 | 31.75 |
|                                    | 05            | 70                               |                         | 2.77    | 70.36 | 1.25        | 31.75 | 1.63 | 41.28 |

(\*) ---- DENOTES STYLE 2

### Connector Group - K

### Straight



**NOTE:** \* For more cable entry and length options, contact factory

| TABLE - A                          |               |        |                               |               |                                        |        |             |       |      |       |         |       |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------------|---------------|----------------------------------------|--------|-------------|-------|------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL SIZE<br>SE – II / I | LENGTH | CABLE RANGE |       |      |       | L (MAX) |       | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | ACCESSORY<br>SHELL SIZE       | CLAMP<br>SIZE |                                        |        | MIN         |       | MAX  |       | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                               |               |                                        |        | INCH        | MM    | INCH | MM    |         |       |         |       |         |       |
| 08                                 | 01            | 1      | 08                            | 1             | 8 / 9                                  | STD.   | 0.06        | 1.57  | 0.13 | 3.18  | 1.53    | 38.86 | 1.25    | 31.75 | 0.78    | 19.81 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    | 02            | 1      |                               | 2             |                                        | STD.   | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
| 10                                 | 01            | 1      | 10                            | 1             | 10 / 11                                | STD.   | 0.06        | 1.57  | 0.13 | 3.18  | 1.53    | 38.86 | 1.25    | 31.75 | 0.78    | 19.81 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    | 02            | 1      |                               | 2             |                                        | STD.   | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                               | 3             |                                        | STD.   | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
| 12                                 | 01            | 1      | 12                            | 2             | 12 / 13                                | STD.   | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    | 02            | 1      |                               | 3             |                                        | STD.   | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                               | 4             |                                        | STD.   | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
| 14                                 | 01            | 1      | 14                            | 2             | 14 / 15                                | STD.   | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    |               | 2      |                               |               |                                        | STD.   |             |       |      |       | 1.53    | 38.86 |         |       |         |       |
|                                    | 02            | 1      |                               | 3             |                                        | A      | 0.25        | 6.35  | 0.38 | 9.53  | 2.53    | 64.26 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | STD.   |             |       |      |       | 1.53    | 38.86 |         |       |         |       |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                               | 4             |                                        | B      | 0.38        | 9.53  | 0.50 | 12.70 | 3.53    | 89.66 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                               |               |                                        | STD.   |             |       |      |       | 1.53    | 38.86 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 2      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 04            | 1      |                               | 5             |                                        | STD.   | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86 | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    |               | 2      |                               |               |                                        | STD.   |             |       |      |       | 1.53    | 38.86 |         |       |         |       |

Table Continued

## Connector Group - K

## Straight

TABLE - A

| TABLE - A                          |               |        |                               |               |                                        |        |             |       |      |       |         |       |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------------|---------------|----------------------------------------|--------|-------------|-------|------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL SIZE<br>SE – II / I |        | CABLE RANGE |       |      |       | L (MAX) |       | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | ACCESSORY<br>SHELL SIZE       | CLAMP<br>SIZE |                                        | LENGTH | MIN         |       | MAX  |       | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                               |               |                                        |        | INCH        | MM    | INCH | MM    |         |       |         |       |         |       |
| 16                                 | 01            | 1      | 16                            | 2             | 16 / 17                                | STD.   | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    | 02            | 1      |                               | 3             |                                        | STD.   | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 03            | 1      |                               | 4             |                                        | STD.   | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 04            | 1      |                               | 5             |                                        | STD.   | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86 | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 05            | 1      |                               | 6             |                                        | STD.   | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86 | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
| 18                                 | 01            | 1      | 18                            | 3             | 18 / 19                                | STD.   | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 02            | 1      |                               | 4             |                                        | STD.   | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 03            | 1      |                               | 5             |                                        | STD.   | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86 | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 04            | 1      |                               | 6             |                                        | STD.   | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86 | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 05            | 1      |                               | 7             |                                        | STD.   | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86 | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                               |               |                                        | A      |             |       |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                               |               |                                        | B      |             |       |      |       | 3.53    | 89.66 |         |       |         |       |
| 20                                 | 01            | 1      | 20                            | 3             | 20 / 21                                | STD.   | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    |               | C      |                               |               |                                        | 4.53   |             |       |      |       | 115.06  |       |         |       |         |       |
|                                    | 02            | 1      |                               | 4             |                                        | STD.   | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    |               | C      |                               |               |                                        | 4.53   |             |       |      |       | 115.06  |       |         |       |         |       |
|                                    | 03            | 1      |                               | 5             |                                        | STD.   | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86 | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    |               | C      |                               |               |                                        | 4.53   |             |       |      |       | 115.06  |       |         |       |         |       |
|                                    | 04            | 1      |                               | 6             |                                        | STD.   | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86 | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    |               | C      |                               |               |                                        | 4.53   |             |       |      |       | 115.06  |       |         |       |         |       |
|                                    | 05            | 1      |                               | 7             |                                        | STD.   | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86 | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    |               | C      |                               |               |                                        | 4.53   |             |       |      |       | 115.06  |       |         |       |         |       |
|                                    | 06            | 1      |                               | 8             |                                        | STD.   | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86 | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | A      |                               |               |                                        | 2.53   |             |       |      |       | 64.26   |       |         |       |         |       |
|                                    |               | B      |                               |               |                                        | 3.53   |             |       |      |       | 89.66   |       |         |       |         |       |
|                                    |               | C      |                               |               |                                        | 4.53   |             |       |      |       | 115.06  |       |         |       |         |       |

Table Continued

### Connector Group - K

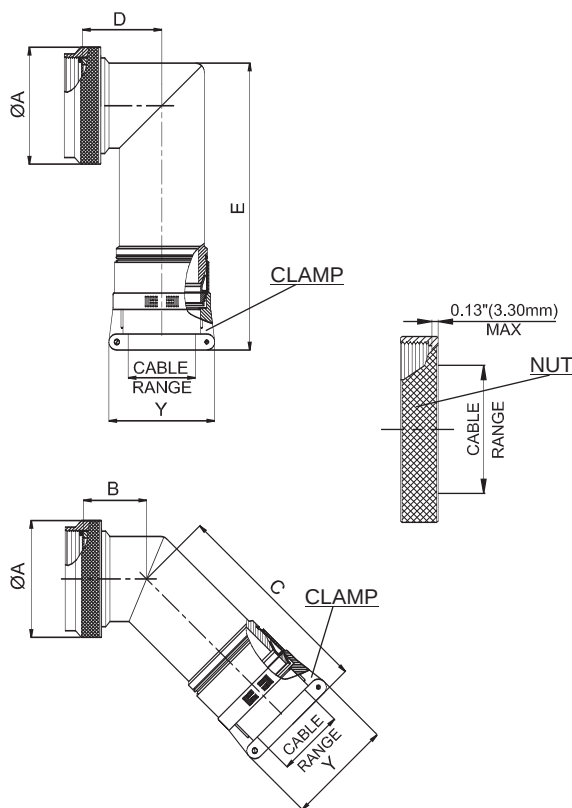
### Straight

TABLE - A

| TABLE - A                          |               |        |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|------------------------------------|---------------|--------|-------------------------------|---------------|----------------------------------------|------|-------------|---------|-------|---------|--------|---------|-------|-------|-------|-------|-------|----|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL SIZE<br>SE – II / I |      | CABLE RANGE | L (MAX) |       | X (MAX) |        | Y (MAX) |       |       |       |       |       |    |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | ACCESSORY<br>SHELL SIZE       | CLAMP<br>SIZE |                                        |      |             | LENGTH  | MIN   |         | MAX    |         | INCH  | MM    | INCH  | MM    | INCH  | MM |
|                                    |               |        |                               |               |                                        |      |             |         | INCH  | MM      | INCH   | MM      |       |       |       |       |       |    |
| 22                                 | 01            | 1      | 22                            | 3             | 22 /23                                 | STD. | 0.25        | 6.35    | 0.38  | 9.53    | 1.53   | 38.86   | 1.25  | 31.75 | 1.06  | 26.92 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 02            | 1      |                               | 4             |                                        | STD. | 0.38        | 9.53    | 0.50  | 12.70   | 1.53   | 38.86   | 1.25  | 31.75 | 1.16  | 29.46 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 03            | 1      |                               | 5             |                                        | STD. | 0.50        | 12.70   | 0.63  | 15.88   | 1.53   | 38.86   | 1.31  | 33.27 | 1.25  | 31.75 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 04            | 1      | 6                             | STD.          |                                        | 0.63 | 15.88       | 0.75    | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38  | 35.05 |       |       |    |
|                                    |               | 2      |                               | 2.53          |                                        |      |             |         |       | 64.26   | 3.53   |         |       |       |       | 89.66 |       |    |
|                                    |               | 3      |                               | 4.53          |                                        |      |             |         |       | 115.06  |        |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
| 22                                 | 05            | 1      | 22                            | 7             | 22 /23                                 | STD. | 0.75        | 19.05   | 0.88  | 22.23   | 1.53   | 38.86   | 1.50  | 38.10 | 1.50  | 38.10 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 06            | 1      |                               | 8             |                                        | STD. | 0.88        | 22.23   | 1.00  | 25.40   | 1.53   | 38.86   | 1.63  | 41.40 | 1.63  | 41.40 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 17            | 1      |                               | 9             |                                        | STD. | 1.00        | 25.40   | 1.13  | 28.58   | 1.53   | 38.86   | 1.63  | 41.40 | 1.75  | 44.45 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
| 24                                 | 01            | 1      | 24                            | 4             | 24 / 25                                | STD. | 0.38        | 9.53    | 0.50  | 12.70   | 1.53   | 38.86   | 1.25  | 31.75 | 1.16  | 29.46 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 02            | 1      |                               | 5             |                                        | STD. | 0.50        | 12.70   | 0.63  | 15.88   | 1.53   | 38.86   | 1.31  | 33.27 | 1.25  | 31.75 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 03            | 1      |                               | 6             |                                        | STD. | 0.63        | 15.88   | 0.75  | 19.05   | 1.53   | 38.86   | 1.38  | 35.05 | 1.38  | 35.05 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 04            | 1      |                               | 7             |                                        | STD. | 0.75        | 19.05   | 0.88  | 22.23   | 1.53   | 38.86   | 1.50  | 38.10 | 1.50  | 38.10 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 05            | 1      |                               | 8             |                                        | STD. | 0.88        | 22.23   | 1.00  | 25.40   | 1.53   | 38.86   | 1.63  | 41.40 | 1.63  | 41.40 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 06            | 1      |                               | 9             |                                        | STD. | 1.00        | 25.40   | 1.13  | 28.58   | 1.53   | 38.86   | 1.63  | 41.40 | 1.75  | 44.45 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |
|                                    | 07            | 1      |                               | 10            |                                        | STD. | 1.13        | 28.58   | 1.25  | 31.75   | 1.53   | 38.86   | 1.63  | 41.40 | 1.88  | 47.75 |       |    |
|                                    |               | 2      |                               |               |                                        | 2.53 |             |         |       |         | 64.26  | 3.53    |       |       |       |       | 89.66 |    |
|                                    |               | 3      |                               |               |                                        | 4.53 |             |         |       |         | 115.06 |         |       |       |       |       |       |    |
|                                    |               | 4      |                               |               |                                        |      |             |         |       |         |        |         |       |       |       |       |       |    |

## Connector Group - K

90°, 45°



## Amphenol Part Number

BV1 X X K 99 99 9 X X  
 Series \_\_\_\_\_  
 Angle \_\_\_\_\_  
 A: 90deg  
 B: 45deg  
 Coupling \_\_\_\_\_  
 R: spin  
 Connector group \_\_\_\_\_  
 Finish: see Table-2  
 End clamp  
 C: clamp  
 N: nut  
 Length  
 9: Not applicable  
 Entry size  
 See Table-B  
 Shell size  
 See Table-B

## MIL Part Number

M85049 / 99 99 X 9  
 MIL Series \_\_\_\_\_  
 Slash sheet  
 76: 90deg, spin coupling  
 77: 45deg, spin coupling  
 Shell size:  
 See Table-B  
 Clamp size:  
 See Table-B  
 Omit for 'STD'  
 Finish:  
 See Table-2

NOTE: \* For more cable entry options, contact factory

TABLE - B

| TABLE - B                          |               |                               |               |                                        |             |       |      |       |              |       |         |       |         |       |         |       |         |       |         |       |
|------------------------------------|---------------|-------------------------------|---------------|----------------------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL SIZE<br>SE – II / I | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       | E (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | ACCESSORY<br>SHELL SIZE       | CLAMP<br>SIZE |                                        | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                    |               |                               |               |                                        | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |         |       |         |       |
| 08                                 | 01            | 08                            | 1             | 8 / 9                                  | 0.06        | 1.57  | 0.13 | 3.18  | 0.75         | 19.05 | 0.46    | 11.68 | 3.15    | 80.01 | 0.69    | 17.53 | 3.46    | 87.88 | 0.80    | 20.32 |
|                                    | 02            |                               | 2             |                                        | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |         |       | 1.00    | 25.40 |
| 10                                 | 01            | 10                            | 1             | 10 / 11                                | 0.06        | 1.57  | 0.13 | 3.18  | 0.85         | 21.59 | 0.52    | 13.21 | 3.21    | 81.53 | 0.78    | 19.81 | 3.58    | 90.93 | 0.80    | 20.32 |
|                                    | 02            |                               | 2             |                                        | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |         |       | 1.00    | 25.40 |
|                                    | 03            |                               | 3             |                                        | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
| 12                                 | 01            | 12                            | 2             | 12 / 13                                | 0.13        | 3.18  | 0.25 | 6.35  | 1.00         | 25.40 | 0.58    | 14.73 | 3.27    | 83.06 | 0.80    | 20.32 | 3.60    | 91.44 | 1.00    | 25.40 |
|                                    | 02            |                               | 3             |                                        | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                    | 03            |                               | 4             |                                        | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
| 14                                 | 01            | 14                            | 2             | 14 / 15                                | 0.13        | 3.18  | 0.25 | 6.35  | 1.15         | 29.21 | 0.65    | 16.51 | 3.36    | 85.34 | 0.88    | 22.35 | 3.67    | 93.22 | 1.00    | 25.40 |
|                                    | 02            |                               | 3             |                                        | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                    | 03            |                               | 4             |                                        | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
|                                    | 04            |                               | 5             |                                        | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |       | 1.25    | 31.75 |
| 16                                 | 01            | 16                            | 2             | 16 / 17                                | 0.13        | 3.18  | 0.25 | 6.35  | 1.25         | 31.75 | 0.74    | 18.80 | 3.47    | 88.14 | 0.93    | 23.62 | 3.76    | 95.50 | 1.00    | 25.40 |
|                                    | 02            |                               | 3             |                                        | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                    | 03            |                               | 4             |                                        | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
|                                    | 04            |                               | 5             |                                        | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |       | 1.25    | 31.75 |
|                                    | 05            |                               | 6             |                                        | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |       | 1.40    | 35.56 |
| 18                                 | 01            | 18                            | 3             | 18 / 19                                | 0.25        | 6.35  | 0.38 | 9.53  | 1.40         | 35.56 | 0.93    | 23.62 | 3.66    | 92.96 | 1.01    | 25.65 | 3.93    | 99.82 | 1.10    | 27.94 |
|                                    | 02            |                               | 4             |                                        | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
|                                    | 03            |                               | 5             |                                        | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |       | 1.25    | 31.75 |
|                                    | 04            |                               | 6             |                                        | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |       | 1.40    | 35.56 |
|                                    | 05            |                               | 7             |                                        | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |       | 1.50    | 38.10 |

Table Continued

Connector Group - K

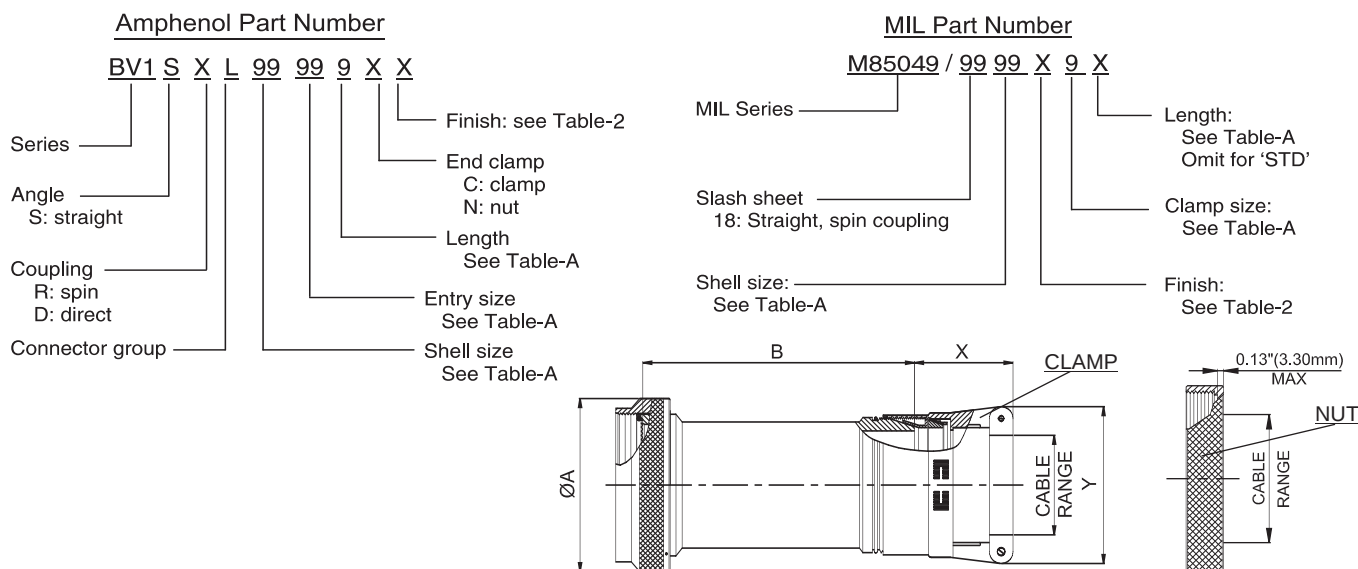
90°, 45°

TABLE - B

| TABLE - B                          |               |                               |               |                                            |             |       |      |       |              |       |         |       |         |       |         |       |         |        |         |       |
|------------------------------------|---------------|-------------------------------|---------------|--------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|--------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br><br>SHELL SIZE<br>SE - II / I | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       | E (MAX) |        | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | ACCESSORY<br>SHELL SIZE       | CLAMP<br>SIZE |                                            | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM     | INCH    | MM    |
|                                    |               |                               |               |                                            | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |         |        |         |       |
| 20                                 | 01            | 20                            | 3             | 20 / 21                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.55         | 39.37 | 0.93    | 23.62 | 3.66    | 92.96 | 1.06    | 26.92 | 3.93    | 99.82  | 1.10    | 27.94 |
|                                    | 02            |                               | 4             |                                            | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                    | 03            |                               | 5             |                                            | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                    | 04            |                               | 6             |                                            | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                    | 05            |                               | 7             |                                            | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                    | 06            |                               | 8             |                                            | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
| 22                                 | 01            | 22                            | 3             | 22 /23                                     | 0.25        | 6.35  | 0.38 | 9.53  | 1.65         | 41.91 | 1.02    | 25.91 | 3.81    | 96.77 | 1.17    | 29.72 | 4.04    | 102.62 | 1.10    | 27.94 |
|                                    | 02            |                               | 4             |                                            | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                    | 03            |                               | 5             |                                            | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                    | 04            |                               | 6             |                                            | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                    | 05            |                               | 7             |                                            | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                    | 06            |                               | 8             |                                            | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
|                                    | 07            |                               | 9             |                                            | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |         |        | 1.75    | 44.45 |
| 24                                 | 01            | 24                            | 4             | 24 / 25                                    | 0.38        | 9.53  | 0.50 | 12.70 | 1.85         | 46.99 | 1.02    | 25.91 | 3.81    | 96.77 | 1.18    | 29.97 | 4.04    | 102.62 | 1.20    | 30.48 |
|                                    | 02            |                               | 5             |                                            | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                    | 03            |                               | 6             |                                            | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                    | 04            |                               | 7             |                                            | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                    | 05            |                               | 8             |                                            | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
|                                    | 06            |                               | 9             |                                            | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |         |        | 1.75    | 44.45 |
|                                    | 07            |                               | 10            |                                            | 1.13        | 28.58 | 1.25 | 31.75 |              |       |         |       |         |       |         |       |         |        | 1.90    | 48.26 |

## Connector Group - L

## Straight



**NOTE:** \* For more cable entry and length options, contact factory

TABLE - A

| TABLE - A                       |            |        |                            |            |        |                                  |             |       |       |       |              |       |         |       |         |       |         |       |
|---------------------------------|------------|--------|----------------------------|------------|--------|----------------------------------|-------------|-------|-------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL PART NUMBER DESIGNATOR |            |        | MIL PART NUMBER DESIGNATOR |            |        | CONNECTOR SHELL SIZE/CODE (REF.) | CABLE RANGE |       |       |       | A DIA. (MAX) |       | B (MAX) |       | X (MAX) |       | Y (MAX) |       |
| SHELL SIZE                      | ENTRY SIZE | LENGTH | CONNECTOR SHELL SIZE       | CLAMP SIZE | LENGTH |                                  | MIN         |       | MAX   |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                 |            |        |                            |            |        |                                  | INCH        | MM    | INCH  | MM    |              |       |         |       |         |       |         |       |
| 08                              | 01         | 1      | 09                         | 1          | STD.   | 09 / A                           | 0.06        | 1.57  | 0.13  | 3.18  | 0.75         | 19.05 | 1.53    | 38.86 | 1.25    | 31.75 | 0.80    | 20.32 |
|                                 |            | 2      |                            |            | A      |                                  |             |       |       |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                                 | 02         | 1      |                            | STD.       | 0.13   |                                  | 3.18        | 0.25  | 6.35  | 1.53  |              |       | 38.86   |       |         |       |         |       |
|                                 |            | 2      |                            | A          |        |                                  |             |       |       | 2.53  |              |       | 64.26   |       |         |       |         |       |
| 10                              | 01         | 1      | 11                         | 1          | STD.   | 11 / B                           | 0.06        | 1.57  | 0.13  | 3.18  | 0.85         | 21.59 | 1.53    | 38.86 | 1.25    | 31.75 | 0.80    | 20.32 |
|                                 |            | 2      |                            |            | A      |                                  |             |       |       |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                                 | 02         | 1      |                            | STD.       | 0.13   |                                  | 3.18        | 0.25  | 6.35  | 1.53  |              |       | 38.86   |       |         |       |         |       |
|                                 |            | 2      |                            | A          |        |                                  |             |       |       | 2.53  |              |       | 64.26   |       |         |       |         |       |
|                                 | 03         | 1      |                            | STD.       | 0.25   |                                  | 6.35        | 0.38  | 9.53  | 1.53  |              |       | 38.86   |       |         |       |         |       |
|                                 |            | 2      |                            | A          |        |                                  |             |       |       | 2.53  |              |       | 64.26   |       |         |       |         |       |
| 12                              | 01         | 1      | 13                         | 2          | STD.   | 13 / C                           | 0.13        | 3.18  | 0.25  | 6.35  | 1.00         | 25.40 | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                                 |            | 2      |                            |            | A      |                                  |             |       |       |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                                 | 02         | 1      |                            | STD.       | 0.25   |                                  | 6.35        | 0.38  | 9.53  | 1.53  |              |       | 38.86   |       |         |       |         |       |
|                                 |            | 2      |                            | A          |        |                                  |             |       |       | 2.53  |              |       | 64.26   |       |         |       |         |       |
|                                 | 03         | 1      |                            | STD.       | 0.38   |                                  | 9.53        | 0.50  | 12.70 | 1.53  |              |       | 38.86   |       |         |       |         |       |
|                                 |            | 2      |                            | A          |        |                                  |             |       |       | 2.53  |              |       | 64.26   |       |         |       |         |       |
| 14                              | 01         | 1      | 15                         | 2          | STD.   | 15 / D                           | 0.13        | 3.18  | 0.25  | 6.35  | 1.15         | 29.21 | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                                 |            | 2      |                            |            | A      |                                  |             |       |       |       |              |       | 2.53    | 64.26 |         |       |         |       |
|                                 |            | 3      |                            |            | B      |                                  |             |       |       |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  |             |       |       |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                                 | 02         | 2      |                            | 3          | A      |                                  | 2.53        | 64.26 | 1.25  | 31.75 |              |       | 1.10    | 27.94 |         |       |         |       |
|                                 |            | 3      |                            |            | B      |                                  | 3.53        | 89.66 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  | 1.53        | 38.86 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 2      |                            |            | A      |                                  | 2.53        | 64.26 |       |       |              |       |         |       |         |       |         |       |
|                                 | 03         | 2      |                            | 4          | B      |                                  | 3.53        | 89.66 | 1.25  | 31.75 |              |       | 1.20    | 30.48 |         |       |         |       |
|                                 |            | 3      |                            |            | STD.   |                                  | 1.53        | 38.86 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 1      |                            |            | A      |                                  | 2.53        | 64.26 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 2      |                            |            | B      |                                  | 3.53        | 89.66 |       |       |              |       |         |       |         |       |         |       |
| 04                              | 1          | 5      | STD.                       | 1.53       | 38.86  | 1.31                             | 33.27       | 1.25  | 31.75 |       |              |       |         |       |         |       |         |       |
|                                 | 2          |        | A                          | 2.53       | 64.26  |                                  |             |       |       |       |              |       |         |       |         |       |         |       |
|                                 | 3          |        | B                          | 3.53       | 89.66  |                                  |             |       |       |       |              |       |         |       |         |       |         |       |
|                                 | 1          |        | STD.                       | 1.53       | 38.86  |                                  |             |       |       |       |              |       |         |       |         |       |         |       |
| 16                              | 01         | 2      | 17                         | 2          | STD.   | 17 / E                           | 0.13        | 3.18  | 0.25  | 6.35  | 1.25         | 31.75 | 1.53    | 38.86 | 1.25    | 31.75 | 1.00    | 25.40 |
|                                 |            | 3      |                            |            | B      |                                  |             |       |       |       |              |       | 3.53    | 89.66 |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  |             |       |       |       |              |       | 1.53    | 38.86 |         |       |         |       |
|                                 | 02         | 2      |                            | 3          | A      |                                  | 2.53        | 64.26 | 1.25  | 31.75 |              |       | 1.10    | 27.94 |         |       |         |       |
|                                 |            | 3      |                            |            | B      |                                  | 3.53        | 89.66 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  | 1.53        | 38.86 |       |       |              |       |         |       |         |       |         |       |
|                                 | 03         | 2      |                            | 4          | A      |                                  | 2.53        | 64.26 | 1.25  | 31.75 |              |       | 1.20    | 30.48 |         |       |         |       |
|                                 |            | 3      |                            |            | B      |                                  | 3.53        | 89.66 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  | 1.53        | 38.86 |       |       |              |       |         |       |         |       |         |       |
|                                 | 04         | 2      |                            | 5          | A      |                                  | 2.53        | 64.26 | 1.31  | 33.27 |              |       | 1.25    | 31.75 |         |       |         |       |
|                                 |            | 3      |                            |            | B      |                                  | 3.53        | 89.66 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  | 1.53        | 38.86 |       |       |              |       |         |       |         |       |         |       |
|                                 | 05         | 2      |                            | 6          | A      |                                  | 2.53        | 64.26 | 1.38  | 35.05 |              |       | 1.40    | 35.56 |         |       |         |       |
|                                 |            | 3      |                            |            | B      |                                  | 3.53        | 89.66 |       |       |              |       |         |       |         |       |         |       |
|                                 |            | 1      |                            |            | STD.   |                                  | 1.53        | 38.86 |       |       |              |       |         |       |         |       |         |       |

Table Continued

### Connector Group - L

### Straight

TABLE - A

| TABLE - A                          |               |        |                               |               |        |                                           |             |       |      |        |              |       |         |        |         |       |         |       |  |
|------------------------------------|---------------|--------|-------------------------------|---------------|--------|-------------------------------------------|-------------|-------|------|--------|--------------|-------|---------|--------|---------|-------|---------|-------|--|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART NUMBER<br>DESIGNATOR |               |        | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |        | A DIA. (MAX) |       | B (MAX) |        | X (MAX) |       | Y (MAX) |       |  |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | LENGTH |                                           | MIN         |       | MAX  |        | INCH         | MM    | INCH    | MM     | INCH    | MM    | INCH    | MM    |  |
|                                    |               |        |                               |               |        |                                           | INCH        | MM    | INCH | MM     |              |       |         |        |         |       |         |       |  |
| 18                                 | 01            | 1      | 19                            | 3             | STD.   | 19 / F                                    | 0.25        | 6.35  | 0.38 | 9.53   | 1.40         | 35.56 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    | 02            | 1      |                               | 4             | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70  |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    | 03            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88  |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    | 04            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05  |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    | 05            | 1      |                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23  |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
| 20                                 | 01            | 1      | 21                            | 3             | STD.   | 21 / G                                    | 0.25        | 6.35  | 0.38 | 9.53   | 1.55         | 39.37 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 02            | 1      |                               | 4             | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70  |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 03            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88  |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 04            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05  |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 05            | 1      |                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23  |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 06            | 1      |                               | 8             | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40  |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
| 22                                 | 01            | 1      | 23                            | 3             | STD.   | 23 / H                                    | 0.25        | 6.35  | 0.38 | 9.53   | 1.65         | 41.91 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 02            | 1      |                               | 4             | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70  |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 03            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88  |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 04            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05  |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 05            | 1      |                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23  |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |  |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |        |              |       | 2.53    | 64.26  |         |       |         |       |  |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |        |              |       | 3.53    | 89.66  |         |       |         |       |  |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |        |              |       | 4.53    | 115.06 |         |       |         |       |  |
|                                    | 06            | 1      |                               | 8             | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40  |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |  |
| 2                                  |               | A      | 2.53                          |               | 64.26  |                                           |             |       |      |        |              |       |         |        |         |       |         |       |  |
| 3                                  |               | B      | 3.53                          |               | 89.66  |                                           |             |       |      |        |              |       |         |        |         |       |         |       |  |
| 4                                  |               | C      | 4.53                          |               | 115.06 |                                           |             |       |      |        |              |       |         |        |         |       |         |       |  |
| 07                                 | 1             | 9      | STD.                          | 1.00          | 25.40  | 1.13                                      | 28.58       |       | 1.53 | 38.86  | 1.63         | 41.40 | 1.75    | 44.45  |         |       |         |       |  |
|                                    | 2             |        | A                             |               |        |                                           |             |       | 2.53 | 64.26  |              |       |         |        |         |       |         |       |  |
|                                    | 3             |        | B                             |               |        |                                           |             |       | 3.53 | 89.66  |              |       |         |        |         |       |         |       |  |
|                                    | 4             |        | C                             |               |        |                                           |             |       | 4.53 | 115.06 |              |       |         |        |         |       |         |       |  |

## Connector Group - L

## Straight

TABLE - A

| TABLE - A                          |               |        |                               |               |        |                                           |             |       |      |       |              |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------------|---------------|--------|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART NUMBER<br>DESIGNATOR |               |        | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | LENGTH |                                           | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                               |               |        |                                           | INCH        | MM    | INCH | MM    |              |       |         |        |         |       |         |       |
| 18                                 | 01            | 1      | 19                            | 3             | STD.   | 19 / F                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.40         | 35.56 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 02            | 1      |                               | 4             | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 03            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 04            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 05            | 1      |                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
| 20                                 | 01            | 1      | 21                            | 3             | STD.   | 21 / G                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.55         | 39.37 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                               | 4             | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                               | 8             | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
| 22                                 | 01            | 1      | 23                            | 3             | STD.   | 23 / H                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.65         | 41.91 | 1.53    | 38.86  | 1.25    | 31.75 | 1.10    | 27.94 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                               | 4             | STD.   |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |

Table Continued

### Connector Group - L

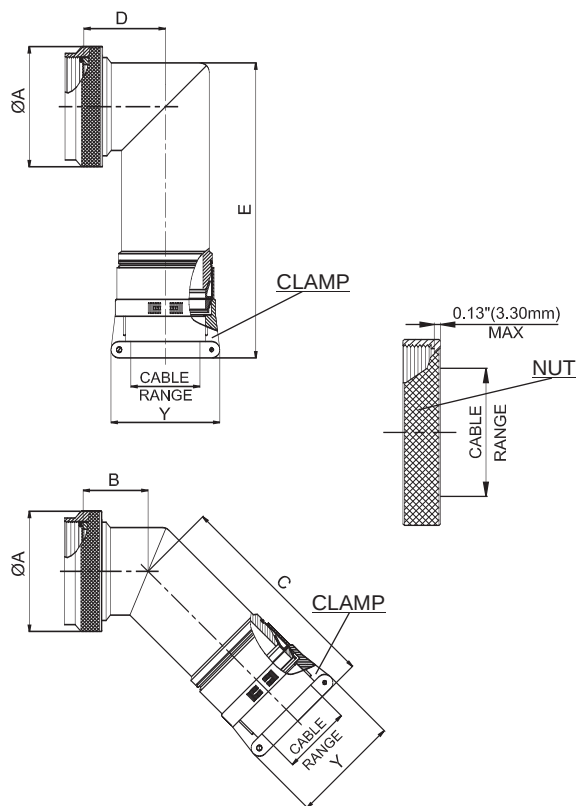
### Straight

TABLE - A

| TABLE - A                          |               |        |                               |               |        |                                           |             |       |      |       |              |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------------|---------------|--------|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | MIL PART NUMBER<br>DESIGNATOR |               |        | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH | CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | LENGTH |                                           | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                               |               |        |                                           | INCH        | MM    | INCH | MM    |              |       |         |        |         |       |         |       |
| 22                                 | 05            | 1      | 23                            | 7             | STD.   | 23 / H                                    | 0.75        | 19.05 | 0.88 | 22.23 | 1.65         | 41.91 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                               | 8             | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 17            | 1      |                               | 9             | STD.   |                                           | 1.00        | 25.40 | 1.13 | 28.58 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
| 24                                 | 01            | 1      | 25                            | 4             | STD.   | 25 / J                                    | 0.38        | 9.53  | 0.50 | 12.70 | 1.85         | 46.99 | 1.53    | 38.86  | 1.25    | 31.75 | 1.20    | 30.48 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                               | 5             | STD.   |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                               | 6             | STD.   |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       | 1.53    | 38.86  | 1.38    | 35.05 | 1.40    | 35.56 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                               | 7             | STD.   |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                               | 8             | STD.   |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.65    | 41.91 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                               | 9             | STD.   |                                           | 1.00        | 25.40 | 1.13 | 28.58 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 07            | 1      |                               | 10            | STD.   |                                           | 1.13        | 28.58 | 1.25 | 31.75 |              |       | 1.53    | 38.86  | 1.63    | 41.40 | 1.90    | 48.26 |
|                                    |               | 2      |                               |               | A      |                                           |             |       |      |       |              |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                               |               | B      |                                           |             |       |      |       |              |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                               |               | C      |                                           |             |       |      |       |              |       | 4.53    | 115.06 |         |       |         |       |

## Connector Group - L

90°, 45°



## Amphenol Part Number

BV1 X X L 99 99 9 X X

Series ——— BV1  
Angle ——— X  
A: 90deg  
B: 45deg  
Coupling ——— X  
R: spin  
Connector group ——— L  
Finish: see Table-2  
End clamp  
C: clamp  
N: nut  
Length  
9: Not applicable  
Entry size  
See Table-B  
Shell size  
See Table-B

## MIL Part Number

M85049 / 99 99 X 9

MIL Series ——— M85049  
Slash sheet  
79: 90deg, spin coupling  
78: 45deg, spin coupling  
Shell size: ——— 99  
See Table-B  
Clamp size:  
See Table-B  
Omit for 'STD'  
Finish:  
See Table-2

NOTE: \* For more cable entry options, contact factory

TABLE - B

| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |    | MIL PART NUMBER<br>DESIGNATOR |   | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       |
|---------------------------------------|----|-------------------------------|---|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|
|                                       |    |                               |   |                                           | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                       |    |                               |   |                                           | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |
| 08                                    | 01 | 09                            | 1 | 09 / A                                    | 0.06        | 1.57  | 0.13 | 3.18  | 0.75         | 19.05 | 0.46    | 11.68 | 3.15    | 80.01 | 0.69    | 17.53 |
|                                       | 02 |                               | 2 |                                           | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |
| 10                                    | 01 | 11                            | 1 | 11 / B                                    | 0.06        | 1.57  | 0.13 | 3.18  | 0.85         | 21.59 | 0.52    | 13.21 | 3.21    | 81.53 | 0.78    | 19.81 |
|                                       | 02 |                               | 2 |                                           | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |
|                                       | 03 |                               | 3 |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |
| 12                                    | 01 | 13                            | 2 | 13 / C                                    | 0.13        | 3.18  | 0.25 | 6.35  | 1.00         | 25.40 | 0.58    | 14.73 | 3.27    | 83.06 | 0.80    | 20.32 |
|                                       | 02 |                               | 3 |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |
|                                       | 03 |                               | 4 |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |
| 14                                    | 01 | 15                            | 2 | 15 / D                                    | 0.13        | 3.18  | 0.25 | 6.35  | 1.15         | 29.21 | 0.65    | 16.51 | 3.36    | 85.34 | 0.88    | 22.35 |
|                                       | 02 |                               | 3 |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |
|                                       | 03 |                               | 4 |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |
|                                       | 04 |                               | 5 |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |
| 16                                    | 01 | 17                            | 2 | 17 / E                                    | 0.13        | 3.18  | 0.25 | 6.35  | 1.25         | 31.75 | 0.74    | 18.80 | 3.47    | 88.14 | 0.93    | 23.62 |
|                                       | 02 |                               | 3 |                                           | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |
|                                       | 03 |                               | 4 |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |
|                                       | 04 |                               | 5 |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |
|                                       | 05 |                               | 6 |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |

Table Continued

Connector Group - L

90°, 45°

| TABLE - B                             |               |                               |               |                                           |             |       |      |       |              |       |         |       |         |       |         |       |
|---------------------------------------|---------------|-------------------------------|---------------|-------------------------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |               | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL<br>SIZE/CODE<br>(REF.) | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       |
| SHELL<br>SIZE                         | ENTRY<br>SIZE | CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE |                                           | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                       |               |                               |               |                                           | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |
| 18                                    | 01            | 19                            | 3             | 19 / F                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.40         | 35.56 | 0.93    | 23.62 | 3.66    | 92.96 | 1.01    | 25.65 |
|                                       | 02            |                               | 4             |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |
|                                       | 03            |                               | 5             |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |
|                                       | 04            |                               | 6             |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |
|                                       | 05            |                               | 7             |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |
| 20                                    | 01            | 21                            | 3             | 21 / G                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.55         | 39.37 | 0.93    | 23.62 | 3.66    | 92.96 | 1.06    | 26.92 |
|                                       | 02            |                               | 4             |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |
|                                       | 03            |                               | 5             |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |
|                                       | 04            |                               | 6             |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |
|                                       | 05            |                               | 7             |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |
|                                       | 06            |                               | 8             |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |
| 22                                    | 01            | 23                            | 3             | 23 / H                                    | 0.25        | 6.35  | 0.38 | 9.53  | 1.65         | 41.91 | 1.02    | 25.91 | 3.81    | 96.77 | 1.17    | 29.72 |
|                                       | 02            |                               | 4             |                                           | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |
|                                       | 03            |                               | 5             |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |
|                                       | 04            |                               | 6             |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |
|                                       | 05            |                               | 7             |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |
|                                       | 06            |                               | 8             |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |
|                                       | 17            |                               | 9             |                                           | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |
|                                       |               |                               |               |                                           |             |       |      |       |              |       |         |       |         |       |         |       |
| 24                                    | 01            | 25                            | 4             | 25 / J                                    | 0.38        | 9.53  | 0.50 | 12.70 | 1.85         | 46.99 | 1.02    | 25.91 | 3.81    | 96.77 | 1.18    | 29.97 |
|                                       | 02            |                               | 5             |                                           | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |
|                                       | 03            |                               | 6             |                                           | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |
|                                       | 04            |                               | 7             |                                           | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |
|                                       | 05            |                               | 8             |                                           | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |
|                                       | 06            |                               | 9             |                                           | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |
|                                       | 07            |                               | 10            |                                           | 1.13        | 28.58 | 1.25 | 31.75 |              |       |         |       |         |       |         |       |
|                                       |               |                               |               |                                           |             |       |      |       |              |       |         |       |         |       |         |       |

Table Continued



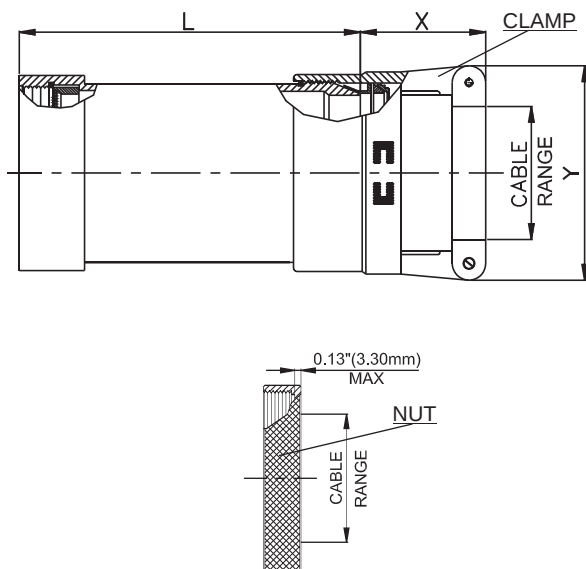
## Connector Group - L

90°, 45°

| TABLE - B                             |               |                               |               |                     |         |        |         |       |
|---------------------------------------|---------------|-------------------------------|---------------|---------------------|---------|--------|---------|-------|
| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |               | MIL PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL  | E (MAX) |        | Y (MAX) |       |
| SHELL<br>SIZE                         | ENTRY<br>SIZE | CONNECTOR<br>SHELL SIZE       | CLAMP<br>SIZE | SIZE/CODE<br>(REF.) | INCH    | MM     | INCH    | MM    |
| 08                                    | 01            | 09                            | 1             | 09 / A              | 3.46    | 87.88  | 0.80    | 20.32 |
|                                       | 02            |                               | 2             |                     |         |        | 1.00    | 25.40 |
| 10                                    | 01            | 11                            | 1             | 11 / B              | 3.58    | 90.93  | 0.80    | 20.32 |
|                                       | 02            |                               | 2             |                     |         |        | 1.00    | 25.40 |
|                                       | 03            |                               | 3             |                     |         |        | 1.10    | 27.94 |
| 12                                    | 01            | 13                            | 2             | 13 / C              | 3.60    | 91.44  | 1.00    | 25.40 |
|                                       | 02            |                               | 3             |                     |         |        | 1.10    | 27.94 |
|                                       | 03            |                               | 4             |                     |         |        | 1.20    | 30.48 |
| 14                                    | 01            | 15                            | 2             | 15 / D              | 3.67    | 93.22  | 1.00    | 25.40 |
|                                       | 02            |                               | 3             |                     |         |        | 1.10    | 27.94 |
|                                       | 03            |                               | 4             |                     |         |        | 1.20    | 30.48 |
|                                       | 04            |                               | 5             |                     |         |        | 1.25    | 31.75 |
| 16                                    | 01            | 17                            | 2             | 17 / E              | 3.76    | 95.50  | 1.00    | 25.40 |
|                                       | 02            |                               | 3             |                     |         |        | 1.10    | 27.94 |
|                                       | 03            |                               | 4             |                     |         |        | 1.20    | 30.48 |
|                                       | 04            |                               | 5             |                     |         |        | 1.25    | 31.75 |
|                                       | 05            |                               | 6             |                     |         |        | 1.40    | 35.56 |
| 18                                    | 01            | 19                            | 3             | 19 / F              | 3.93    | 99.82  | 1.10    | 27.94 |
|                                       | 02            |                               | 4             |                     |         |        | 1.20    | 30.48 |
|                                       | 03            |                               | 5             |                     |         |        | 1.25    | 31.75 |
|                                       | 04            |                               | 6             |                     |         |        | 1.40    | 35.56 |
|                                       | 05            |                               | 7             |                     |         |        | 1.50    | 38.10 |
| 20                                    | 01            | 21                            | 3             | 21 / G              | 3.93    | 99.82  | 1.10    | 27.94 |
|                                       | 02            |                               | 4             |                     |         |        | 1.20    | 30.48 |
|                                       | 03            |                               | 5             |                     |         |        | 1.25    | 31.75 |
|                                       | 04            |                               | 6             |                     |         |        | 1.40    | 35.56 |
|                                       | 05            |                               | 7             |                     |         |        | 1.50    | 38.10 |
|                                       | 06            |                               | 8             |                     |         |        | 1.65    | 41.91 |
| 22                                    | 01            | 23                            | 3             | 23 / H              | 4.04    | 102.62 | 1.10    | 27.94 |
|                                       | 02            |                               | 4             |                     |         |        | 1.20    | 30.48 |
|                                       | 03            |                               | 5             |                     |         |        | 1.25    | 31.75 |
|                                       | 04            |                               | 6             |                     |         |        | 1.40    | 35.56 |
|                                       | 05            |                               | 7             |                     |         |        | 1.50    | 38.10 |
|                                       | 06            |                               | 8             |                     |         |        | 1.65    | 41.91 |
|                                       | 07            |                               | 9             |                     |         |        | 1.75    | 44.45 |
| 24                                    | 01            | 25                            | 4             | 25 / J              | 4.04    | 102.62 | 1.20    | 30.48 |
|                                       | 02            |                               | 5             |                     |         |        | 1.25    | 31.75 |
|                                       | 03            |                               | 6             |                     |         |        | 1.40    | 35.56 |
|                                       | 04            |                               | 7             |                     |         |        | 1.50    | 38.10 |
|                                       | 05            |                               | 8             |                     |         |        | 1.65    | 41.91 |
|                                       | 06            |                               | 9             |                     |         |        | 1.75    | 44.45 |
|                                       | 07            |                               | 10            |                     |         |        | 1.90    | 48.26 |

### Connector Group - M

### Straight



Amphenol Part Number

BV1 S X M 99 99 9 X X

Series  
Angle  
S: straight

Coupling  
R: spin  
D: direct

Connector group

Finish: see Table-2  
End clamp  
C: clamp  
N: nut  
Length  
See Table-A  
Entry size  
See Table-A  
Shell size  
See Table-A

NOTE: \* For more cable entry and length options, contact factory

| TABLE - A                          |               |        |                         |             |      |      |       |         |       |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|------|------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |      |      |       | L (MAX) |       | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |      | MAX  |       | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM   | INCH | MM    |         |       |         |       |         |       |
| 08                                 | 01            | 1      | 8                       | 0.06        | 1.57 | 0.13 | 3.18  | 1.53    | 38.86 | 1.25    | 31.75 | 0.78    | 19.81 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
| 10                                 | 01            | 1      | 10                      | 0.06        | 1.57 | 0.13 | 3.18  | 1.53    | 38.86 | 1.25    | 31.75 | 0.78    | 19.81 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.25        | 6.35 | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
| 12                                 | 01            | 1      | 12                      | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.25        | 6.35 | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.38        | 9.53 | 0.50 | 12.70 | 1.53    | 38.86 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
| 14                                 | 01            | 1      | 14                      | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                         |             |      |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.25        | 6.35 | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                         |             |      |      |       | 3.53    | 89.66 |         |       |         |       |

Table Continued

## Connector Group - M

## Straight

| TABLE - A                          |               |        |                         |             |       |      |       |         |        |         |       |         |       |      |       |
|------------------------------------|---------------|--------|-------------------------|-------------|-------|------|-------|---------|--------|---------|-------|---------|-------|------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | L (MAX) |        | X (MAX) |       | Y (MAX) |       |      |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |       | MAX  |       | INCH    | MM     | INCH    | MM    | INCH    | MM    |      |       |
|                                    |               |        |                         | INCH        | MM    | INCH | MM    |         |        |         |       |         |       |      |       |
| 14                                 | 03            | 1      | 14                      | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    | 04            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
| 16                                 | 01            | 1      | 16                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86  | 1.25    | 31.75 | 0.97    | 24.64 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    | 02            | 1      |                         | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    | 03            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    | 04            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    | 05            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    | 18            | 01     |                         | 1           | 18    | 0.25 | 6.35  | 0.38    | 9.53   | 1.53    | 38.86 | 1.25    | 31.75 | 1.06 | 26.92 |
|                                    |               |        |                         | 2           |       |      |       |         |        | 2.53    | 64.26 |         |       |      |       |
|                                    |               |        |                         | 3           |       |      |       |         |        | 3.53    | 89.66 |         |       |      |       |
| 02                                 |               | 1      | 0.38                    | 9.53        |       | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
| 03                                 |               | 1      | 0.50                    | 12.70       |       | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
| 04                                 |               | 1      | 0.63                    | 15.88       |       | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
| 05                                 |               | 1      | 0.75                    | 19.05       |       | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
| 18                                 | 01            | 1      | 18                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |      |       |
|                                    | 02            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |      |       |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |      |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |      |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |      |       |

Table Continued

Connector Group - M

Straight

| TABLE - A                          |               |        |                         |             |       |      |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|-------|------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | L (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |       | MAX  |       | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM    | INCH | MM    |         |        |         |       |         |       |
| 18                                 | 03            | 1      | 18                      | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 04            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 05            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
| 20                                 | 01            | 1      | 20                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                         | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86  | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
| 22                                 | 01            | 1      | 22                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |

Table Continued



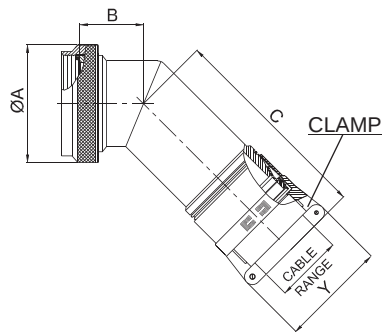
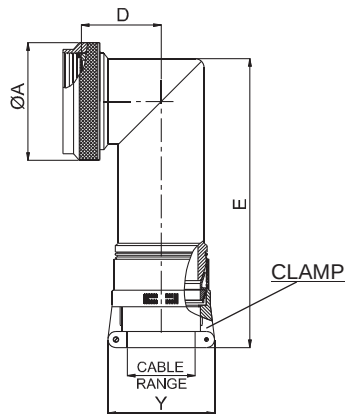
## Connector Group - M

## Straight

| TABLE - A                          |               |        |                         |             |       |      |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|-------|------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | L (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |       | MAX  |       | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM    | INCH | MM    |         |        |         |       |         |       |
| 22                                 | 04            | 1      | 22                      | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                         | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86  | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 17            | 1      |                         | 1.00        | 25.40 | 1.13 | 28.58 | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
| 24                                 | 01            | 1      | 24                      | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                         | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86  | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                         | 1.00        | 25.40 | 1.13 | 28.58 | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 07            | 1      |                         | 1.13        | 28.58 | 1.25 | 31.75 | 1.53    | 38.86  | 1.63    | 41.40 | 1.88    | 47.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |

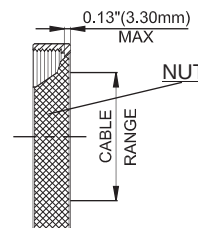
### Connector Group - M

90°, 45°



#### Amphenol Part Number

**BV1 X X M 99 99 9 X X**  
 Series —————  
 Angle —————  
     A: 90deg  
     B: 45deg  
 Coupling —————  
     R: spin  
 Connector group —————  
 Finish: see Table-2  
 End clamp  
     C: clamp  
     N: nut  
 Length  
     9: Not applicable  
 Entry size  
     See Table-B  
 Shell size  
     See Table-B



**NOTE:** \* For more cable entry options, contact factory

| TABLE - B                             |    |                         |             |       |      |       |              |       |         |       |         |       |         |       |         |       |         |       |
|---------------------------------------|----|-------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |    | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       | E (MAX) |       | Y (MAX) |       |
|                                       |    |                         | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                       |    |                         | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |         |       |         |       |
| 08                                    | 01 | 8                       | 0.06        | 1.57  | 0.13 | 3.18  | 0.75         | 19.05 | 0.46    | 11.68 | 3.15    | 80.01 | 0.69    | 17.53 | 3.46    | 87.88 | 0.80    | 20.32 |
|                                       | 02 |                         | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |         |       | 1.00    | 25.40 |
| 10                                    | 01 | 10                      | 0.06        | 1.57  | 0.13 | 3.18  | 0.85         | 21.59 | 0.52    | 13.21 | 3.21    | 81.53 | 0.78    | 19.81 | 3.58    | 90.93 | 0.80    | 20.32 |
|                                       | 02 |                         | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |         |       | 1.00    | 25.40 |
|                                       | 03 |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
| 12                                    | 01 | 12                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.00         | 25.40 | 0.58    | 14.73 | 3.27    | 83.06 | 0.80    | 20.32 | 3.60    | 91.44 | 1.00    | 25.40 |
|                                       | 02 |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                       | 03 |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
| 14                                    | 01 | 14                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.15         | 29.21 | 0.65    | 16.51 | 3.36    | 85.34 | 0.88    | 22.35 | 3.67    | 93.22 | 1.00    | 25.40 |
|                                       | 02 |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                       | 03 |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
|                                       | 04 |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |       | 1.25    | 31.75 |

Table Continued

## Connector Group - M

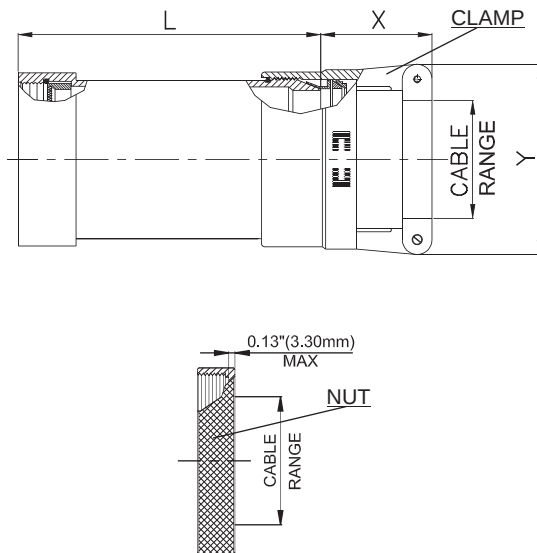
90°, 45°

TABLE - B

| TABLE - B                             |               |                         |             |       |      |       |              |       |         |       |         |       |         |       |         |        |         |       |
|---------------------------------------|---------------|-------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|--------|---------|-------|
| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       | E (MAX) |        | Y (MAX) |       |
| SHELL<br>SIZE                         | ENTRY<br>SIZE |                         | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM     | INCH    | MM    |
|                                       |               |                         | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |         |        |         |       |
| 16                                    | 01            | 16                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.25         | 31.75 | 0.74    | 18.80 | 3.47    | 88.14 | 0.93    | 23.62 | 3.76    | 95.50  | 1.00    | 25.40 |
|                                       | 02            |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |        | 1.10    | 27.94 |
|                                       | 03            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 04            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 05            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
| 18                                    | 01            | 18                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.40         | 35.56 | 0.93    | 23.62 | 3.66    | 92.96 | 1.01    | 25.65 | 3.93    | 99.82  | 1.10    | 27.94 |
|                                       | 02            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 03            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 04            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 05            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
| 20                                    | 01            | 20                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.55         | 39.37 | 0.93    | 23.62 | 3.66    | 92.96 | 1.06    | 26.92 | 3.93    | 99.82  | 1.10    | 27.94 |
|                                       | 02            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 03            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 04            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 05            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                       | 06            |                         | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
| 22                                    | 01            | 22                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.65         | 41.91 | 1.02    | 25.91 | 3.81    | 96.77 | 1.17    | 29.72 | 4.04    | 102.62 | 1.10    | 27.94 |
|                                       | 02            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 03            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 04            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 05            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                       | 06            |                         | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
|                                       | 07            |                         | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |         |        | 1.75    | 44.45 |
| 24                                    | 01            | 24                      | 0.38        | 9.53  | 0.50 | 12.70 | 1.85         | 46.99 | 1.02    | 25.91 | 3.81    | 96.77 | 1.18    | 29.97 | 4.04    | 102.62 | 1.20    | 30.48 |
|                                       | 02            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 03            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 04            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                       | 05            |                         | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
|                                       | 06            |                         | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |         |        | 1.75    | 44.45 |
|                                       | 07            |                         | 1.13        | 28.58 | 1.25 | 31.75 |              |       |         |       |         |       |         |       |         |        | 1.90    | 48.26 |

### Connector Group - N

### Straight



### Amphenol Part Number

**BV1 S X N 99 99 9 X X**  
 Series \_\_\_\_\_  
 Angle \_\_\_\_\_  
 S: straight \_\_\_\_\_  
 Coupling \_\_\_\_\_  
 R: spin \_\_\_\_\_  
 D: direct \_\_\_\_\_  
 Connector group \_\_\_\_\_  
 Finish: see Table-2 \_\_\_\_\_  
 End clamp \_\_\_\_\_  
 C: clamp \_\_\_\_\_  
 N: nut \_\_\_\_\_  
 Length \_\_\_\_\_  
 See Table-A \_\_\_\_\_  
 Entry size \_\_\_\_\_  
 See Table-A \_\_\_\_\_  
 Shell size \_\_\_\_\_  
 See Table-A \_\_\_\_\_

**NOTE:** \* For more cable entry and length options, contact factory

| TABLE - A                          |               |        |                         |             |      |      |       |         |       |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|------|------|-------|---------|-------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |      |      |       | L (MAX) |       | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |      | MAX  |       | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM   | INCH | MM    |         |       |         |       |         |       |
| 08                                 | 01            | 1      | 8                       | 0.06        | 1.57 | 0.13 | 3.18  | 1.53    | 38.86 | 1.25    | 31.75 | 0.78    | 19.81 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
| 10                                 | 01            | 1      | 10                      | 0.06        | 1.57 | 0.13 | 3.18  | 1.53    | 38.86 | 1.25    | 31.75 | 0.78    | 19.81 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.25        | 6.35 | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
| 12                                 | 01            | 1      | 12                      | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.25        | 6.35 | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.38        | 9.53 | 0.50 | 12.70 | 1.53    | 38.86 | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
| 14                                 | 01            | 1      | 14                      | 0.13        | 3.18 | 0.25 | 6.35  | 1.53    | 38.86 | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                         |             |      |      |       | 3.53    | 89.66 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.25        | 6.35 | 0.38 | 9.53  | 1.53    | 38.86 | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |      |      |       | 2.53    | 64.26 |         |       |         |       |
|                                    |               | 3      |                         |             |      |      |       | 3.53    | 89.66 |         |       |         |       |

Table Continued

## Connector Group - N

## Straight

| TABLE - A                          |               |        |                         |             |       |      |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|-------|------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | L (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |       | MAX  |       | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM    | INCH | MM    |         |        |         |       |         |       |
| 14                                 | 03            | 1      | 14                      | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 04            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
| 16                                 | 01            | 1      | 16                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.53    | 38.86  | 1.25    | 31.75 | 0.97    | 24.64 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 02            | 1      |                         | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 03            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 04            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 05            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
| 18                                 | 01            | 1      | 18                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 02            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 03            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 04            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    | 05            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
| 20                                 | 01            | 1      | 20                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |

Table Continued

Connector Group - N

Straight

| TABLE - A                          |               |        |                         |             |       |      |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|-------|------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | L (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |       | MAX  |       | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM    | INCH | MM    |         |        |         |       |         |       |
| 20                                 | 03            | 1      | 20                      | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                         | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86  | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
| 22                                 | 01            | 1      | 22                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.53    | 38.86  | 1.25    | 31.75 | 1.06    | 26.92 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                         | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86  | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 07            | 1      |                         | 1.00        | 25.40 | 1.13 | 28.58 | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |

Table Continued

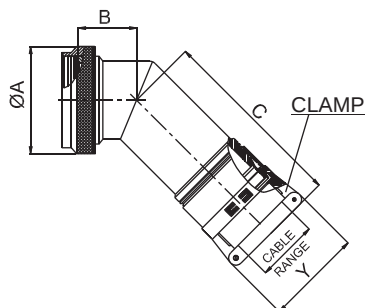
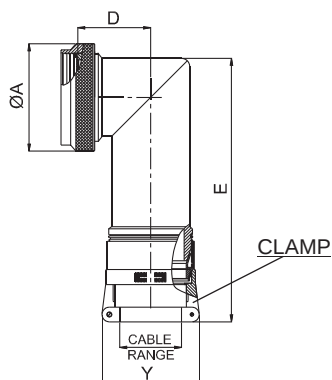
## Connector Group - N

## Straight

| TABLE - A                          |               |        |                         |             |       |      |       |         |        |         |       |         |       |
|------------------------------------|---------------|--------|-------------------------|-------------|-------|------|-------|---------|--------|---------|-------|---------|-------|
| AMPHENOL PART<br>NUMBER DESIGNATOR |               |        | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | L (MAX) |        | X (MAX) |       | Y (MAX) |       |
| SHELL<br>SIZE                      | ENTRY<br>SIZE | LENGTH |                         | MIN         |       | MAX  |       | INCH    | MM     | INCH    | MM    | INCH    | MM    |
|                                    |               |        |                         | INCH        | MM    | INCH | MM    |         |        |         |       |         |       |
| 24                                 | 01            | 1      | 24                      | 0.38        | 9.53  | 0.50 | 12.70 | 1.53    | 38.86  | 1.25    | 31.75 | 1.16    | 29.46 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 02            | 1      |                         | 0.50        | 12.70 | 0.63 | 15.88 | 1.53    | 38.86  | 1.31    | 33.27 | 1.25    | 31.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 03            | 1      |                         | 0.63        | 15.88 | 0.75 | 19.05 | 1.53    | 38.86  | 1.38    | 35.05 | 1.38    | 35.05 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 04            | 1      |                         | 0.75        | 19.05 | 0.88 | 22.23 | 1.53    | 38.86  | 1.50    | 38.10 | 1.50    | 38.10 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 05            | 1      |                         | 0.88        | 22.23 | 1.00 | 25.40 | 1.53    | 38.86  | 1.63    | 41.40 | 1.63    | 41.40 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 06            | 1      |                         | 1.00        | 25.40 | 1.13 | 28.58 | 1.53    | 38.86  | 1.63    | 41.40 | 1.75    | 44.45 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |
|                                    | 07            | 1      |                         | 1.13        | 28.58 | 1.25 | 31.75 | 1.53    | 38.86  | 1.63    | 41.40 | 1.88    | 47.75 |
|                                    |               | 2      |                         |             |       |      |       | 2.53    | 64.26  |         |       |         |       |
|                                    |               | 3      |                         |             |       |      |       | 3.53    | 89.66  |         |       |         |       |
|                                    |               | 4      |                         |             |       |      |       | 4.53    | 115.06 |         |       |         |       |

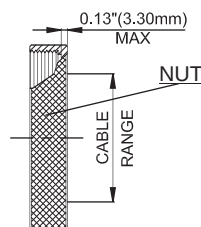
### Connector Group - N

90°, 45°



### Amphenol Part Number

**BV1 X X N 99 99 9 X X**  
 Series ———  
 Angle ———  
 A: 90deg  
 B: 45deg  
 Coupling ———  
 R: spin  
 Connector group ———  
 Finish: see Table-2  
 End clamp  
 C: clamp  
 N: nut  
 Length  
 9: Not applicable  
 Entry size  
 See Table-B  
 Shell size  
 See Table-B



**NOTE:** \* For more cable entry options, contact factory

**TABLE - B**

| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |    | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       | E (MAX) |       | Y (MAX) |       |
|---------------------------------------|----|-------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|
|                                       |    |                         | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    |
|                                       |    |                         | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |         |       |         |       |
| 08                                    | 01 | 8                       | 0.06        | 1.57  | 0.13 | 3.18  | 0.75         | 19.05 | 0.46    | 11.68 | 3.15    | 80.01 | 0.69    | 17.53 | 3.46    | 87.88 | 0.80    | 20.32 |
|                                       | 02 |                         | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |         |       | 1.00    | 25.40 |
| 10                                    | 01 | 10                      | 0.06        | 1.57  | 0.13 | 3.18  | 0.85         | 21.59 | 0.52    | 13.21 | 3.21    | 81.53 | 0.78    | 19.81 | 3.58    | 90.93 | 0.80    | 20.32 |
|                                       | 02 |                         | 0.13        | 3.18  | 0.25 | 6.35  |              |       |         |       |         |       |         |       |         |       | 1.00    | 25.40 |
|                                       | 03 |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
| 12                                    | 01 | 12                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.00         | 25.40 | 0.58    | 14.73 | 3.27    | 83.06 | 0.80    | 20.32 | 3.60    | 91.44 | 1.00    | 25.40 |
|                                       | 02 |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                       | 03 |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
| 14                                    | 01 | 14                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.15         | 29.21 | 0.65    | 16.51 | 3.36    | 85.34 | 0.88    | 22.35 | 3.67    | 93.22 | 1.00    | 25.40 |
|                                       | 02 |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |       | 1.10    | 27.94 |
|                                       | 03 |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |       | 1.20    | 30.48 |
|                                       | 04 |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |       | 1.25    | 31.75 |

Table Continued

## Connector Group - N

90°, 45°

TABLE - B

| TABLE - B                             |               |                         |             |       |      |       |              |       |         |       |         |       |         |       |         |        |         |       |
|---------------------------------------|---------------|-------------------------|-------------|-------|------|-------|--------------|-------|---------|-------|---------|-------|---------|-------|---------|--------|---------|-------|
| AMPHENOL<br>PART NUMBER<br>DESIGNATOR |               | CONNECTOR<br>SHELL SIZE | CABLE RANGE |       |      |       | A DIA. (MAX) |       | B (MAX) |       | C (MAX) |       | D (MAX) |       | E (MAX) |        | Y (MAX) |       |
| SHELL<br>SIZE                         | ENTRY<br>SIZE |                         | MIN         |       | MAX  |       | INCH         | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM    | INCH    | MM     | INCH    | MM    |
|                                       |               |                         | INCH        | MM    | INCH | MM    |              |       |         |       |         |       |         |       |         |        |         |       |
| 16                                    | 01            | 16                      | 0.13        | 3.18  | 0.25 | 6.35  | 1.25         | 31.75 | 0.74    | 18.80 | 3.47    | 88.14 | 0.93    | 23.62 | 3.76    | 95.50  | 1.00    | 25.40 |
|                                       | 02            |                         | 0.25        | 6.35  | 0.38 | 9.53  |              |       |         |       |         |       |         |       |         |        | 1.10    | 27.94 |
|                                       | 03            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 04            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 05            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
| 18                                    | 01            | 18                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.40         | 35.56 | 0.93    | 23.62 | 3.66    | 92.96 | 1.01    | 25.65 | 3.93    | 99.82  | 1.10    | 27.94 |
|                                       | 02            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 03            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 04            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 05            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
| 20                                    | 01            | 20                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.55         | 39.37 | 0.93    | 23.62 | 3.66    | 92.96 | 1.06    | 26.92 | 3.93    | 99.82  | 1.10    | 27.94 |
|                                       | 02            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 03            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 04            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 05            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                       | 06            |                         | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
| 22                                    | 01            | 22                      | 0.25        | 6.35  | 0.38 | 9.53  | 1.65         | 41.91 | 1.02    | 25.91 | 3.81    | 96.77 | 1.17    | 29.72 | 4.04    | 102.62 | 1.10    | 27.94 |
|                                       | 02            |                         | 0.38        | 9.53  | 0.50 | 12.70 |              |       |         |       |         |       |         |       |         |        | 1.20    | 30.48 |
|                                       | 03            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 04            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 05            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                       | 06            |                         | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
|                                       | 07            |                         | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |         |        | 1.75    | 44.45 |
| 24                                    | 01            | 24                      | 0.38        | 9.53  | 0.50 | 12.70 | 1.85         | 46.99 | 1.02    | 25.91 | 3.81    | 96.77 | 1.18    | 29.97 | 4.04    | 102.62 | 1.20    | 30.48 |
|                                       | 02            |                         | 0.50        | 12.70 | 0.63 | 15.88 |              |       |         |       |         |       |         |       |         |        | 1.25    | 31.75 |
|                                       | 03            |                         | 0.63        | 15.88 | 0.75 | 19.05 |              |       |         |       |         |       |         |       |         |        | 1.40    | 35.56 |
|                                       | 04            |                         | 0.75        | 19.05 | 0.88 | 22.23 |              |       |         |       |         |       |         |       |         |        | 1.50    | 38.10 |
|                                       | 05            |                         | 0.88        | 22.23 | 1.00 | 25.40 |              |       |         |       |         |       |         |       |         |        | 1.65    | 41.91 |
|                                       | 06            |                         | 1.00        | 25.40 | 1.13 | 28.58 |              |       |         |       |         |       |         |       |         |        | 1.75    | 44.45 |
|                                       | 07            |                         | 1.13        | 28.58 | 1.25 | 31.75 |              |       |         |       |         |       |         |       |         |        | 1.90    | 48.26 |