

# 390-036

## Submersible EMI/RFI Cable Sealing Backshell

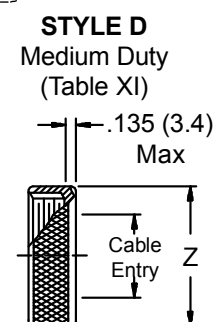
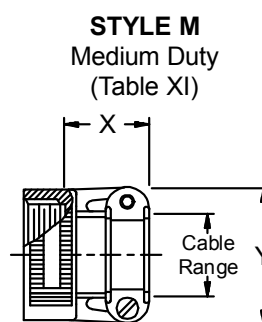
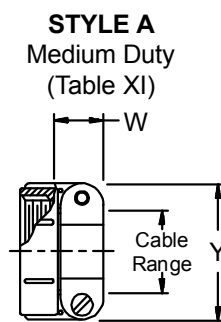
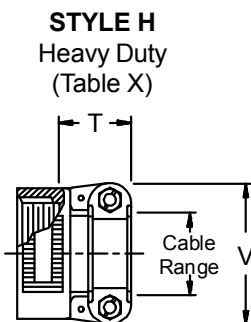
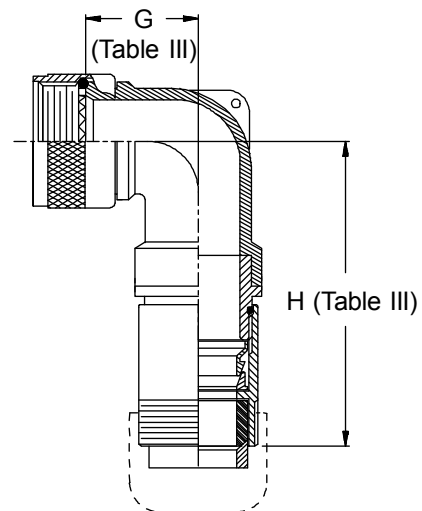
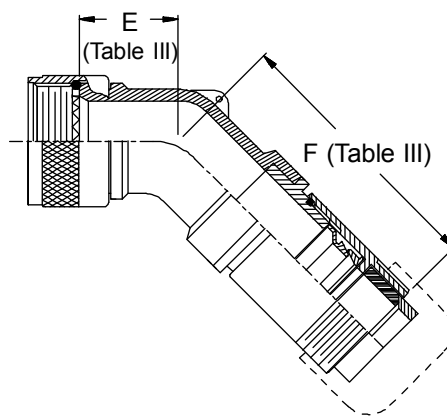
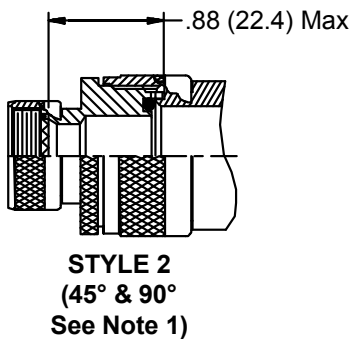
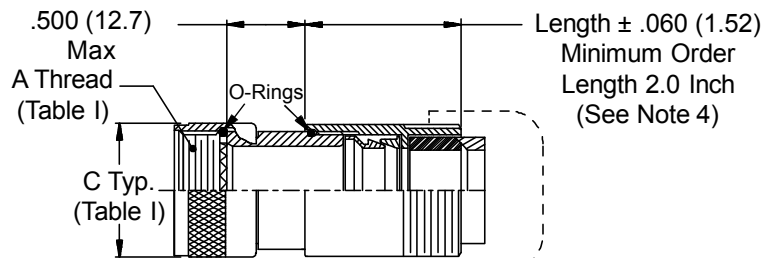
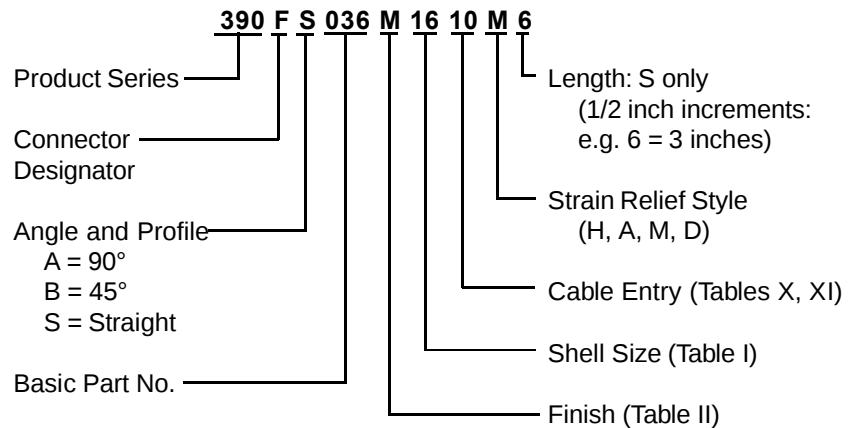
### with Strain Relief

### Type G - Rotatable Coupling - Low Profile

## CONNECTOR DESIGNATORS A-F-H-L-S

## ROTATABLE COUPLING

## TYPE G INDIVIDUAL AND/OR OVERALL SHIELD TERMINATION



**390-036**  
**Submersible EMI/RFI Cable Sealing Backshell**  
with Strain Relief  
**Type G - Rotatable Coupling - Low Profile**



**TABLE III**

| Shell Size<br>Conn. Desig. |    | E     |        | F     |         | G     |        | H     |         |
|----------------------------|----|-------|--------|-------|---------|-------|--------|-------|---------|
| A-F-L-S                    | H  | Max   |        | Max   |         | Max   |        | Max   |         |
| 08                         | 09 | .457  | (11.6) | 3.460 | (87.9)  | .500  | (12.7) | 3.460 | (87.9)  |
| 10                         | 11 | .520  | (13.2) | 3.520 | (89.4)  | .595  | (15.1) | 3.590 | (91.2)  |
| 12                         | 13 | .582  | (14.8) | 3.580 | (90.9)  | .610  | (15.5) | 3.610 | (91.7)  |
| 14                         | 15 | .645  | (16.4) | 3.900 | (99.1)  | .700  | (17.8) | 3.910 | (99.3)  |
| 16                         | 17 | .738  | (18.7) | 4.010 | (101.9) | .885  | (22.5) | 4.000 | (101.6) |
| 18                         | 19 | .926  | (23.5) | 4.200 | (106.7) | .975  | (24.8) | 4.170 | (105.9) |
| 20                         | 21 | .926  | (23.5) | 4.200 | (106.7) | .975  | (24.8) | 4.170 | (105.9) |
| 22                         | 23 | 1.020 | (25.9) | 4.350 | (110.5) | 1.125 | (28.6) | 4.280 | (108.7) |
| 24                         | 25 | 1.020 | (25.9) | 4.350 | (110.5) | 1.125 | (28.6) | 4.280 | (108.7) |
| 28                         |    | 1.145 | (29.1) | 4.400 | (111.8) | 1.225 | (31.1) | 4.450 | (113.0) |
| 32                         |    | 1.207 | (30.7) | 4.500 | (114.3) | 1.575 | (40.0) | 4.700 | (119.4) |
| 36                         |    | 1.238 | (31.4) | 4.590 | (116.6) | 1.775 | (45.1) | 4.700 | (119.4) |

1. When maximum cable entry (page 21) is exceeded, Style 2 will be supplied. Dimensions E, F, G and H will not apply. Please consult factory.
2. Metric dimensions (mm) are indicated in parentheses.
3. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. Consult factory for shorter lengths on straight backshells.
5. Interface O-Ring not supplied with connector designator A.

**TABLE X**

| Dash No. | T<br>Max     | V<br>Max     | Cable Range |        |       |        |
|----------|--------------|--------------|-------------|--------|-------|--------|
|          |              |              | Min         |        | Max   |        |
| 04       | .780 (19.8)  | .957 (24.3)  | .125        | (3.2)  | .312  | (7.9)  |
| 06       | .780 (19.8)  | 1.145 (29.1) | .250        | (6.4)  | .437  | (11.1) |
| 08       | .780 (19.8)  | 1.332 (33.8) | .387        | (9.8)  | .562  | (14.3) |
| 10       | .780 (19.8)  | 1.332 (33.8) | .350        | (8.9)  | .625  | (15.9) |
| 12       | .811 (20.6)  | 1.551 (39.4) | .500        | (12.7) | .750  | (19.1) |
| 16       | .905 (23.0)  | 1.770 (45.0) | .625        | (15.9) | .937  | (23.8) |
| 20       | 1.092 (27.7) | 2.113 (53.7) | .875        | (22.2) | 1.250 | (31.8) |
| 24       | 1.124 (28.5) | 2.363 (60.0) | 1.000       | (25.4) | 1.375 | (34.9) |
| 28       | 1.399 (35.5) | 2.770 (70.4) | 1.250       | (31.8) | 1.625 | (41.3) |
| 32       | 1.399 (35.5) | 3.020 (76.7) | 1.437       | (36.5) | 1.875 | (47.6) |

See inside back cover  
fold-out or pages 13 and  
14 for Tables I and II.

**TABLE XI**

| Dash No. | W<br>Max     | X<br>Max     | Y<br>Max     | Z<br>Max     | Cable Range  |       |        |
|----------|--------------|--------------|--------------|--------------|--------------|-------|--------|
|          |              |              |              |              | Min          | Max   |        |
| 03*      | .437 (11.1)  | .760 (19.3)  | .843 (21.4)  | .630 (16.0)  | .156 (4.0)   | .250  | (6.4)  |
| 04*      | .437 (11.1)  | .760 (19.3)  | .906 (23.0)  | .755 (19.2)  | .188 (4.8)   | .312  | (7.9)  |
| 06*      | .500 (12.7)  | .760 (19.3)  | 1.093 (27.8) | .942 (23.9)  | .281 (7.1)   | .438  | (11.1) |
| 08       | .563 (14.3)  | .760 (19.3)  | 1.187 (30.1) | 1.067 (27.1) | .387 (9.8)   | .562  | (14.3) |
| 10       | .563 (14.3)  | .760 (19.3)  | 1.281 (32.5) | 1.192 (30.3) | .375 (9.5)   | .625  | (15.9) |
| 12       | .563 (14.3)  | .760 (19.3)  | 1.500 (38.1) | 1.380 (35.1) | .438 (11.1)  | .750  | (19.1) |
| 16       | .656 (16.7)  | 1.073 (27.3) | 1.719 (43.7) | 1.535 (39.0) | .625 (15.9)  | .938  | (23.8) |
| 20       | .656 (16.7)  | 1.323 (33.6) | 2.062 (52.4) | 1.848 (46.9) | .875 (22.2)  | 1.250 | (31.8) |
| 24       | .656 (16.7)  | 1.323 (33.6) | 2.312 (58.7) | 2.255 (57.3) | 1.000 (25.4) | 1.375 | (34.9) |
| 28       | 1.188 (30.2) | 1.572 (39.9) | 2.719 (69.1) | 2.505 (63.6) | 1.250 (31.8) | 1.625 | (41.3) |
| 32*      | 1.187 (30.1) | 1.572 (39.9) | 2.969 (75.4) | 2.755 (70.0) | 1.437 (36.5) | 1.875 | (47.6) |
| 40*      | 1.125 (28.6) | 1.572 (39.9) | 3.531 (89.7) | 3.255 (82.7) | 1.875 (47.6) | 2.375 | (60.3) |

\* Not available in Style M clamp.