

# 390-013

## Submersible EMI/RFI Cable Sealing Backshell

### with Strain Relief

#### Type A - Rotatable Coupling - Standard Profile

### CONNECTOR DESIGNATOR

**G**

### ROTATABLE COUPLING

### TYPE A OVERALL SHIELD TERMINATION

Product Series **390** Connector Designator **G** Angle and Profile **S** **013** **M** **17** **10** **H** **6**

Length: S only (1/2 inch increments: e.g. 6 = 3 inches)

Strain Relief Style (H, A, M, D)

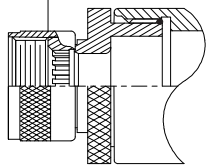
Cable Entry (Tables X, XI)

Shell Size (Table I)

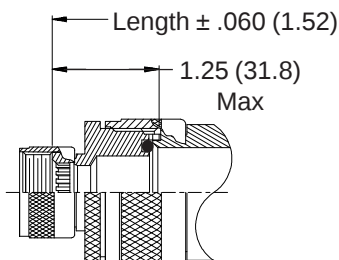
Finish (Table II)

Basic Part No.

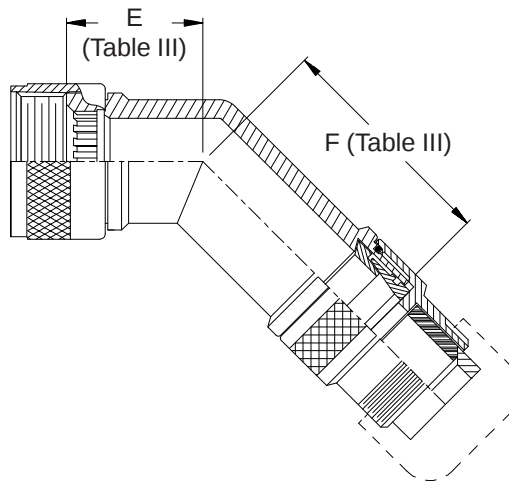
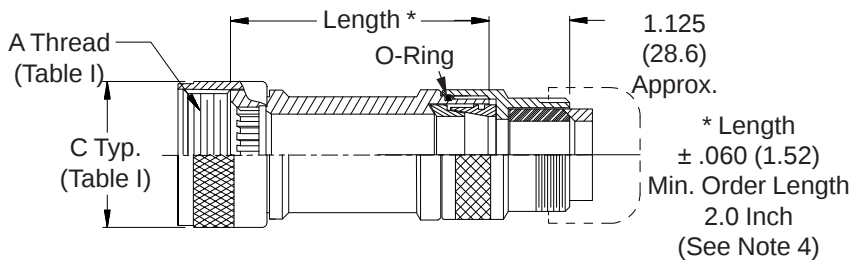
Length  $\pm .060$  (1.52)  
Min. Order Length 2.5 Inch  
(See Note 4)



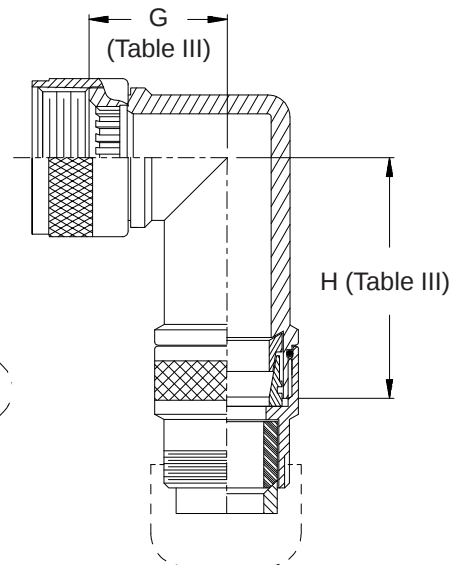
**STYLE 2  
(STRAIGHT  
See Note 1)**



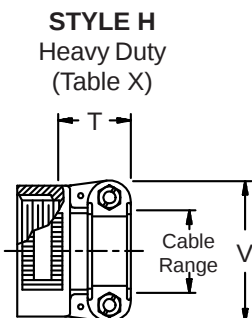
**STYLE 2  
(45° & 90°  
See Note 1)**



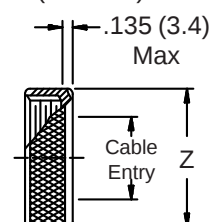
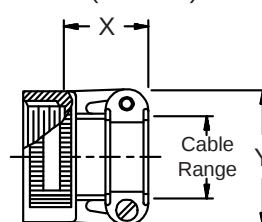
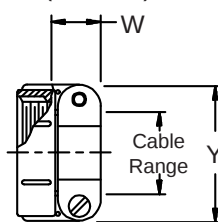
**STYLE A  
Medium Duty  
(Table XI)**



**STYLE M  
Medium Duty  
(Table XI)**



**STYLE H  
Heavy Duty  
(Table X)**



**STYLE D  
Medium Duty  
(Table XI)**

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39

**TABLE III: ELBOW DIMENSIONS**

| Shell Size | E Max        | F Max        | G Max        | H Max        |
|------------|--------------|--------------|--------------|--------------|
| 11         | 1.240 (31.5) | 2.060 (52.3) | 1.380 (35.1) | 2.200 (55.9) |
| 13         | 1.260 (32.0) | 2.080 (52.8) | 1.440 (36.6) | 2.260 (57.4) |
| 15         | 1.290 (32.8) | 2.360 (59.9) | 1.500 (38.1) | 2.580 (65.5) |
| 17         | 1.310 (33.3) | 2.380 (60.5) | 1.570 (39.9) | 2.640 (67.1) |
| 19         | 1.340 (34.0) | 2.500 (63.5) | 1.630 (41.4) | 2.810 (71.4) |
| 23         | 1.380 (35.1) | 2.540 (64.5) | 1.730 (43.9) | 2.890 (73.4) |
| 25         | 1.410 (35.8) | 2.570 (65.3) | 1.800 (45.7) | 2.960 (75.2) |
| 29         | 1.580 (40.1) | 2.800 (71.1) | 2.040 (51.8) | 3.260 (82.8) |
| 33         | 1.620 (41.1) | 2.820 (71.6) | 2.130 (54.1) | 3.330 (84.6) |

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

**TABLE X: CABLE ENTRY**

| Dash No. | T Max        | V 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) |

- 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.
- Metric dimensions (mm) are indicated in parentheses.
- Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
- Consult factory for shorter lengths on straight backshells.

**TABLE XI: CABLE ENTRY**

| Dash No. | W Max        | X Max        | Y Max        | Z 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.