

# 390-005

## Submersible EMI/RFI Cable Sealing Backshell

### with Strain Relief

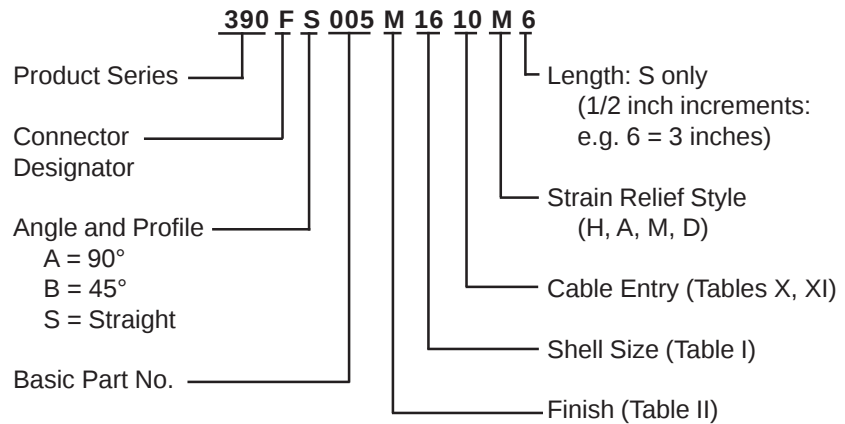
### Type B - Rotatable Coupling - Low Profile

#### CONNECTOR DESIGNATORS

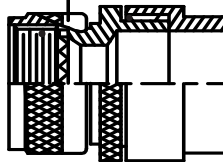
## A-F-H-L-S

#### ROTATABLE COUPLING

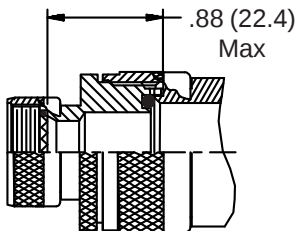
#### TYPE B INDIVIDUAL AND/OR OVERALL SHIELD TERMINATION



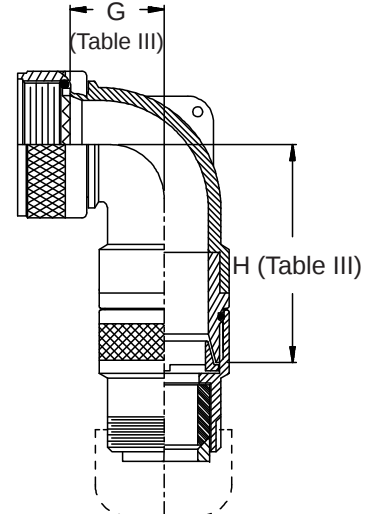
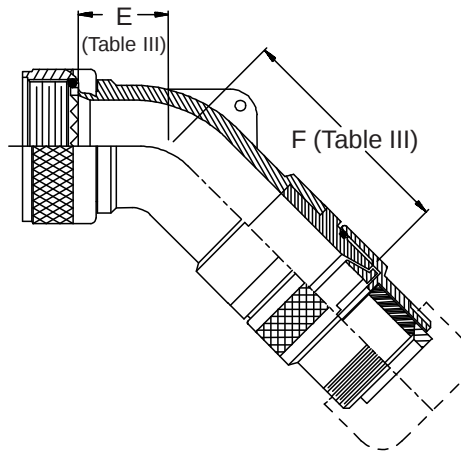
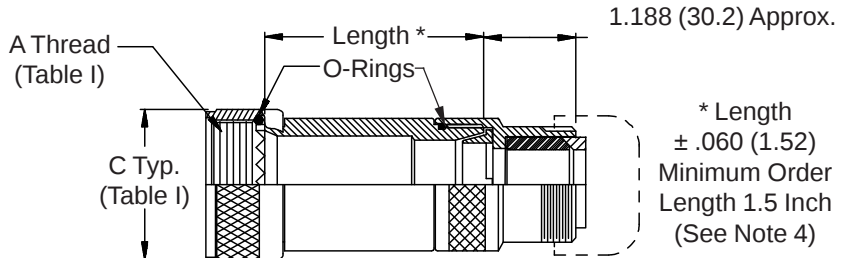
Length  $\pm .060$  (1.52)  
Minimum Order Length 2.0 Inch  
(See Note 4)



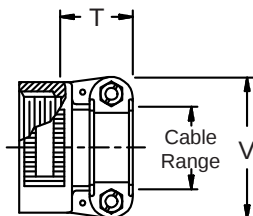
**STYLE 2**  
(STRAIGHT  
See Note 1)



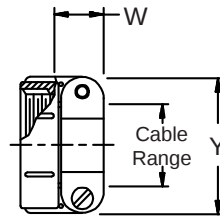
**STYLE 2**  
(45° & 90°  
See Note 1)



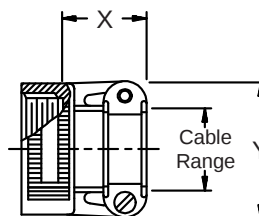
**STYLE H**  
Heavy Duty  
(Table X)



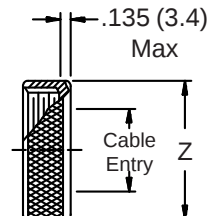
**STYLE A**  
Medium Duty  
(Table XI)



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



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



**390-005**  
**Submersible EMI/RFI Cable Sealing Backshell**  
with Strain Relief  
**Type B - Rotatable Coupling - Low Profile**



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

**TABLE III: ELBOW DIMENSIONS**

| Shell Size<br>Conn. Desig.<br>A-F-L-S H |    | E<br>Max     | F<br>Max     | G<br>Max     | H<br>Max      |
|-----------------------------------------|----|--------------|--------------|--------------|---------------|
| 08                                      | 09 |              |              | .500 (12.7)  | 2.551 (64.8)  |
| 10                                      | 11 | .520 (13.2)  | 2.601 (66.1) | .595 (15.1)  | 2.671 (67.8)  |
| 12                                      | 13 | .582 (14.8)  | 2.661 (67.6) | .610 (15.5)  | 2.691 (68.4)  |
| 14                                      | 15 | .645 (16.4)  | 3.091 (78.5) | .700 (17.8)  | 3.101 (78.8)  |
| 16                                      | 17 | .738 (18.7)  | 3.201 (81.3) | .885 (22.5)  | 3.191 (81.1)  |
| 18                                      | 19 | .926 (23.5)  | 3.391 (86.1) | .975 (24.8)  | 3.361 (85.4)  |
| 20                                      | 21 | .926 (23.5)  | 3.391 (86.1) | .975 (24.8)  | 3.361 (85.4)  |
| 22                                      | 23 | 1.020 (25.9) | 3.604 (91.5) | 1.125 (28.6) | 3.534 (89.8)  |
| 24                                      | 25 | 1.020 (25.9) | 3.604 (91.5) | 1.125 (28.6) | 3.534 (89.8)  |
| 28                                      |    | 1.145 (29.1) | 3.637 (92.4) | 1.225 (31.1) | 3.687 (93.6)  |
| 32                                      |    | 1.207 (30.7) | 3.737 (94.9) | 1.575 (40.0) | 3.937 (100.0) |
| 36                                      |    | 1.238 (31.4) | 3.877 (98.5) | 1.775 (45.1) | 3.987 (101.3) |

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: CABLE ENTRY**

| Dash<br>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) |

**TABLE XI: CABLE ENTRY**

| Dash<br>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.

\*\* Not Applicable Style D