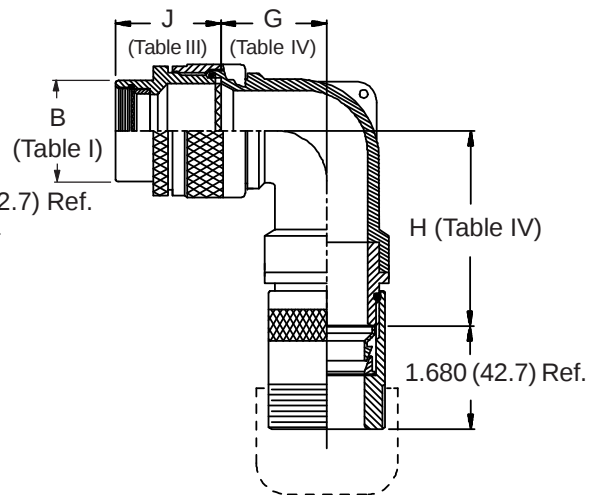
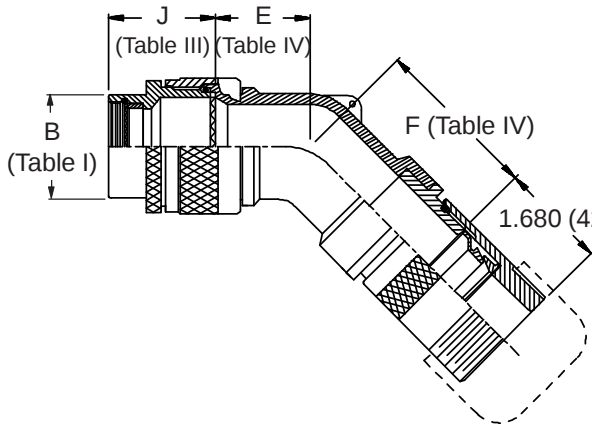
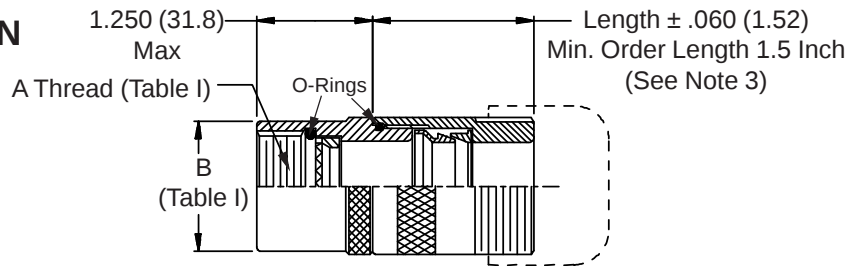
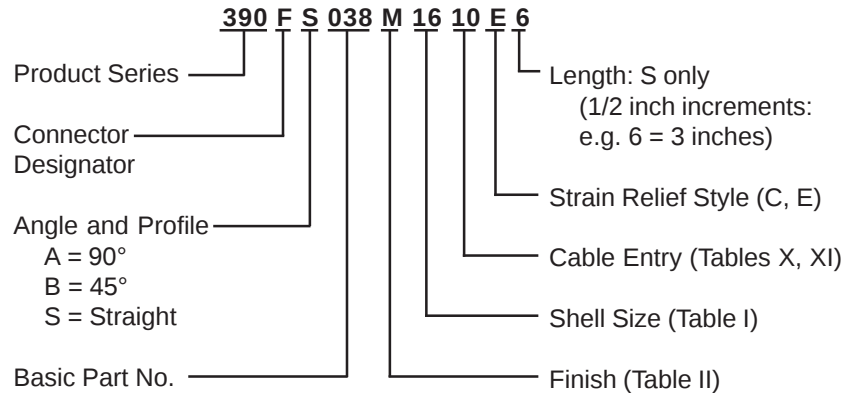


# Submersible EMI/RFI Cable Sealing Backshell with Strain Relief Type G - Direct Coupling - Low Profile

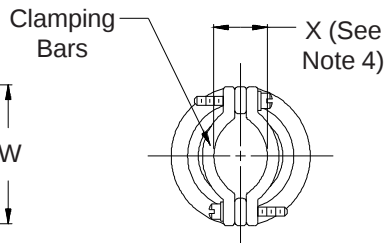
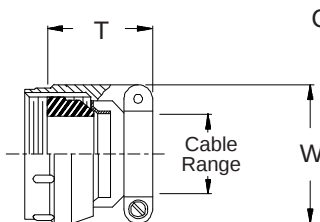
## CONNECTOR DESIGNATORS A-B\*-C-D-E-F G-H-J-K-L-S

\* Conn. Desig. B See Note 5  
**DIRECT COUPLING**

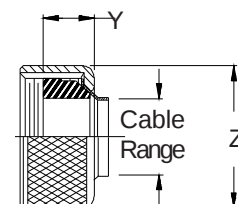
## TYPE G INDIVIDUAL AND/OR OVERALL SHIELD TERMINATION



### STYLE C Medium Duty (Table X)



### STYLE E Medium Duty (Table XI)



**390-038**  
**Submersible EMI/RFI Cable Sealing Backshell**  
with Strain Relief  
**Type G - Direct Coupling - Low Profile**



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

| TABLE III: FRONT ADAPTER |                          |              |              |
|--------------------------|--------------------------|--------------|--------------|
| Shell<br>Size            | J Max - Conn. Designator |              |              |
|                          | A-E-F<br>J-H-L-S         | D-B-G-K      | C            |
| 08/09                    | 1.180 (30.0)             | 1.440 (36.6) |              |
| 10/11                    | 1.180 (30.0)             | 1.440 (36.6) |              |
| 12/13                    | 1.180 (30.0)             | 1.440 (36.6) | 1.735 (44.1) |
| 14/15                    | 1.180 (30.0)             | 1.440 (36.6) | 1.915 (48.6) |
| 16/17                    | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 18/19                    | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 20/21                    | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 22/23                    | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 24/25                    | 1.380 (35.0)             | 1.560 (39.6) | 1.915 (48.6) |
| 28/29                    | 1.610 (40.9)             | 1.560 (39.6) | 1.915 (48.6) |
| 32/33                    | 1.610 (40.9)             | 1.750 (44.5) | 1.915 (48.6) |
| 36                       | 1.610 (40.9)             | 1.750 (44.5) | 1.915 (48.6) |
| 40                       | 1.610 (40.9)             | 2.190 (55.6) | 1.915 (48.6) |

| TABLE IV    |              |              |              |              |  |
|-------------|--------------|--------------|--------------|--------------|--|
| Dash<br>No. | E<br>Max     | F<br>Max     | G<br>Max     | H<br>Max     |  |
| 03          | .500 (12.7)  | 1.250 (31.8) | .520 (13.2)  | 1.140 (29.0) |  |
| 04          | .500 (12.7)  | 1.610 (40.9) | .520 (13.2)  | 1.170 (29.7) |  |
| 06          | .590 (15.0)  | 1.730 (43.9) | .580 (14.7)  | 1.650 (41.9) |  |
| 08          | .610 (15.5)  | 1.750 (44.5) | .640 (16.3)  | 1.720 (43.7) |  |
| 10          | .700 (17.8)  | 1.820 (46.2) | .730 (18.5)  | 1.800 (45.7) |  |
| 12          | .880 (22.4)  | 2.080 (52.8) | .920 (23.4)  | 1.910 (48.5) |  |
| 16          | .970 (24.6)  | 2.190 (55.6) | 1.020 (25.9) | 2.100 (53.3) |  |
| 20          | 1.120 (28.4) | 2.190 (55.6) | 1.040 (26.4) | 2.250 (57.2) |  |
| 24          | 1.220 (31.0) | 2.360 (59.9) | 1.040 (26.4) | 2.300 (58.4) |  |
| 28          | 1.570 (39.9) | 2.610 (66.3) | 1.090 (27.7) | 2.400 (61.0) |  |
| 32          | 1.770 (45.0) | 2.780 (70.6) | 1.180 (30.0) | 2.600 (66.0) |  |

| TABLE X     |              |              |              |              |  |              |  |
|-------------|--------------|--------------|--------------|--------------|--|--------------|--|
| Dash<br>No. | T<br>Max     | W<br>Max     | X<br>Ref     | Cable Range  |  |              |  |
|             |              |              |              | Min          |  | Max          |  |
| 03          | 1.219 (31.0) | .812 (20.6)  | .135 (3.4)   | .156 (4.0)   |  | .219 (5.6)   |  |
| 04          | 1.219 (31.0) | .937 (23.8)  | .203 (5.2)   | .188 (4.8)   |  | .312 (7.9)   |  |
| 06          | 1.219 (31.0) | 1.062 (27.0) | .285 (7.2)   | .281 (7.1)   |  | .438 (11.1)  |  |
| 08          | 1.219 (31.0) | 1.188 (30.2) | .350 (8.9)   | .312 (7.9)   |  | .531 (13.5)  |  |
| 10          | 1.281 (32.5) | 1.312 (33.3) | .390 (9.9)   | .375 (9.5)   |  | .625 (15.9)  |  |
| 12          | 1.281 (32.5) | 1.562 (39.7) | .460 (11.7)  | .500 (12.7)  |  | .750 (19.1)  |  |
| 16          | 1.406 (35.7) | 1.750 (44.5) | .510 (13.0)  | .625 (15.9)  |  | .938 (23.8)  |  |
| 20          | 1.656 (42.1) | 2.250 (57.2) | .695 (17.7)  | .938 (23.8)  |  | 1.250 (31.8) |  |
| 24          | 1.906 (48.4) | 2.375 (60.3) | .715 (18.2)  | 1.000 (25.4) |  | 1.375 (34.9) |  |
| 28          | 1.906 (48.4) | 2.625 (66.7) | .915 (23.2)  | 1.250 (31.8) |  | 1.625 (41.3) |  |
| 32          | 2.000 (50.8) | 2.812 (71.4) | 1.070 (27.2) | 1.500 (38.1) |  | 1.875 (47.6) |  |

| TABLE XI    |              |              |              |  |              |
|-------------|--------------|--------------|--------------|--|--------------|
| Dash<br>No. | Y<br>Max     | Z<br>Max     | Cable Range  |  |              |
|             |              |              | Min          |  | Max          |
| 03          | .739 (18.8)  | .812 (20.6)  | .156 (4.0)   |  | .219 (5.6)   |
| 04          | .739 (18.8)  | .937 (23.8)  | .188 (4.8)   |  | .312 (7.9)   |
| 06          | .739 (18.8)  | 1.062 (27.0) | .281 (7.1)   |  | .438 (11.1)  |
| 08          | .739 (18.8)  | 1.188 (30.2) | .312 (7.9)   |  | .531 (13.5)  |
| 10          | .791 (20.1)  | 1.312 (33.3) | .375 (9.5)   |  | .625 (15.9)  |
| 12          | .880 (22.4)  | 1.562 (39.7) | .500 (12.7)  |  | .750 (19.1)  |
| 16          | .901 (22.9)  | 1.750 (44.5) | .625 (15.9)  |  | .938 (23.8)  |
| 20          | 1.031 (26.2) | 2.250 (57.2) | .938 (23.8)  |  | 1.250 (31.8) |
| 24          | 1.250 (31.8) | 2.375 (60.3) | 1.000 (25.4) |  | 1.375 (34.9) |
| 28          | 1.250 (31.8) | 2.625 (66.7) | 1.250 (31.8) |  | 1.625 (41.3) |
| 32          | 1.312 (33.3) | 2.812 (71.4) | 1.500 (38.1) |  | 1.875 (47.6) |

1. Metric dimensions (mm) are indicated in parentheses.
2. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
3. Consult factory for shorter lengths on straight backshells.
4. Saddles are bottomed on Clamp Ears.
5. When using Connector Designator B refer to pages 18 and 19 for part number development.