

# 390-003

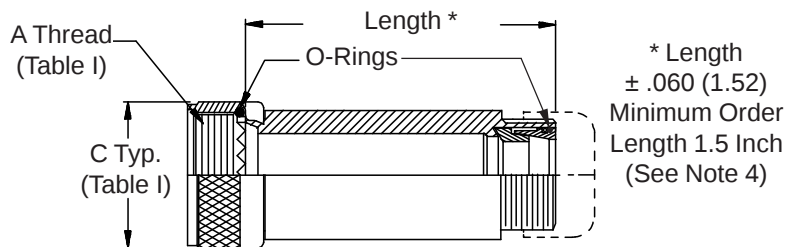
## Water-Tight EMI/RFI Cable Sealing Backshell

### with Strain Relief

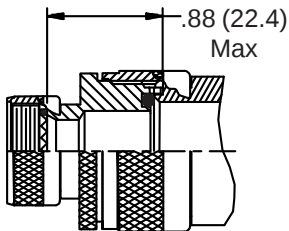
#### Type A - Rotatable Coupling - Low Profile

### CONNECTOR DESIGNATORS **A-F-H-L-S** ROTATABLE COUPLING

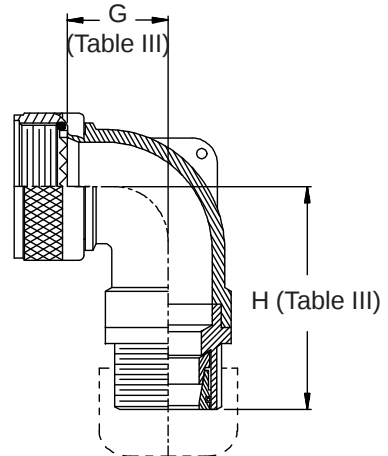
### TYPE A OVERALL SHIELD TERMINATION



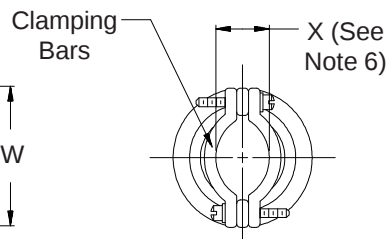
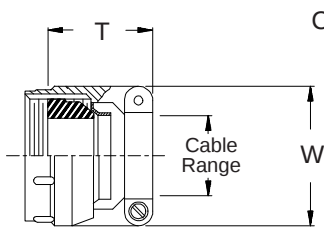
**STYLE 2**  
(STRAIGHT  
See Note 1)



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



**STYLE C**  
Medium Duty  
(Table X)



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



**390-003**  
**Water-Tight EMI/RFI Cable Sealing Backshell**  
 with Strain Relief  
 Type A - 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 | .457     | (11.6) | 1.602    | (40.7) | .500     | (12.7) | 1.612    | (40.9) |
| 10                                      | 11 | .520     | (13.2) | 1.662    | (42.2) | .595     | (15.1) | 1.732    | (44.0) |
| 12                                      | 13 | .582     | (14.8) | 1.722    | (43.7) | .610     | (15.5) | 1.752    | (44.5) |
| 14                                      | 15 | .645     | (16.4) | 2.062    | (52.4) | .700     | (17.8) | 2.072    | (52.6) |
| 16                                      | 17 | .738     | (18.7) | 2.172    | (55.2) | .885     | (22.5) | 2.162    | (54.9) |
| 18                                      | 19 | .926     | (23.5) | 2.362    | (60.0) | .975     | (24.8) | 2.332    | (59.2) |
| 20                                      | 21 | .926     | (23.5) | 2.362    | (60.0) | .975     | (24.8) | 2.332    | (59.2) |
| 22                                      | 23 | 1.020    | (25.9) | 2.512    | (63.8) | 1.125    | (28.6) | 2.442    | (62.0) |
| 24                                      | 25 | 1.020    | (25.9) | 2.512    | (63.8) | 1.125    | (28.6) | 2.442    | (62.0) |
| 28                                      |    | 1.145    | (29.1) | 2.562    | (65.1) | 1.225    | (31.1) | 2.612    | (66.3) |
| 32                                      |    | 1.207    | (30.7) | 2.662    | (67.6) | 1.575    | (40.0) | 2.862    | (72.7) |
| 36                                      |    | 1.238    | (31.4) | 2.752    | (69.9) | 1.775    | (45.1) | 2.862    | (72.7) |

**TABLE X: CABLE ENTRY**

| 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: CABLE ENTRY**

| 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. 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.
6. Saddles are bottomed on Clamp Ears.