

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

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

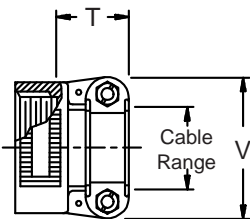
**TYPE A OVERALL  
 SHIELD TERMINATION**



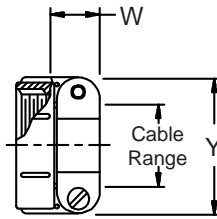
**STYLE 2  
 (STRAIGHT  
 See Note 1)**



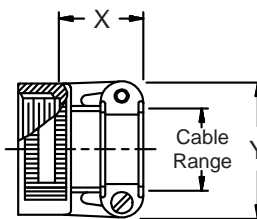
**STYLE H  
 Heavy Duty  
 (Table X)**



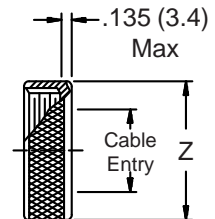
**STYLE A  
 Medium Duty  
 (Table XI)**



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



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



**390-002**  
**Submersible EMI/RFI Cable Sealing Backshell**  
with Strain Relief  
**Type A - 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 Size               | J Max - Conn. Designator |             |             |
|                          | A-E-F                    |             |             |
|                          | 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: ELBOW DIMENSIONS |       |        |       |        |       |        |       |        |
|----------------------------|-------|--------|-------|--------|-------|--------|-------|--------|
| Dash No.                   | E     |        | F     |        | G     |        | H     |        |
|                            | Max   |        | Max   |        | Max   |        | Max   |        |
| 04                         | .630  | (16.0) | 2.117 | (53.8) | .636  | (16.2) | 2.067 | (52.5) |
| 06                         | .630  | (16.0) | 2.117 | (53.8) | .710  | (18.0) | 2.187 | (55.5) |
| 08                         | .692  | (17.6) | 2.179 | (55.3) | .731  | (18.6) | 2.207 | (56.1) |
| 10                         | .755  | (19.2) | 2.862 | (72.7) | .825  | (21.0) | 2.867 | (72.8) |
| 12                         | .848  | (21.5) | 2.972 | (75.5) | .988  | (25.1) | 2.957 | (75.1) |
| 16                         | 1.036 | (26.3) | 3.159 | (80.2) | 1.087 | (27.6) | 3.132 | (79.6) |
| 20                         | 1.130 | (28.7) | 3.368 | (85.5) | 1.325 | (33.7) | 3.303 | (83.9) |
| 24                         | 1.255 | (31.9) | 3.408 | (86.6) | 1.337 | (34.0) | 3.453 | (87.7) |
| 28                         | 1.317 | (33.5) | 3.553 | (90.2) | 1.827 | (46.4) | 3.703 | (94.1) |
| 32                         | 1.348 | (34.2) | 3.646 | (92.6) | 2.027 | (51.5) | 3.753 | (95.3) |

| TABLE X: CABLE ENTRY |       |        |       |        |             |        |       |        |
|----------------------|-------|--------|-------|--------|-------------|--------|-------|--------|
| Dash No.             | T     |        | V     |        | Cable Range |        |       |        |
|                      | Max   |        | Max   |        | Min         |        |       |        |
|                      | Max   |        | Max   |        | 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) |

1. When maximum cable entry (page 22) is exceeded, Style 2 will be supplied. (Function S only).
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. When using Connector Designator B refer to pages 18 and 19 for part number development.

| TABLE XI: CABLE ENTRY |       |        |       |        |       |        |             |        |       |        |       |        |
|-----------------------|-------|--------|-------|--------|-------|--------|-------------|--------|-------|--------|-------|--------|
| Dash No.              | W     |        | X     |        | Y     |        | Z           |        |       |        |       |        |
|                       | Max   |        | Max   |        | Max   |        | Max         |        |       |        |       |        |
|                       | Max   |        | Max   |        | Max   |        | Cable Range |        |       |        |       |        |
| Min                   |       | Max    |       | 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.