

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

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

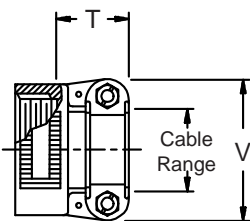
**TYPE A OVERALL SHIELD TERMINATION**



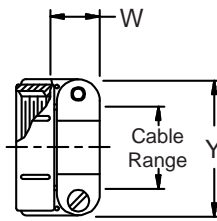
**STYLE 2**  
 (STRAIGHT  
 See Note 1)



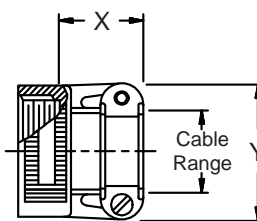
**STYLE H**  
 Heavy Duty  
 (Table X)



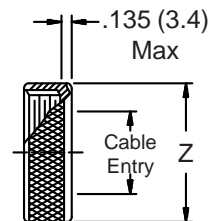
**STYLE A**  
 Medium Duty  
 (Table XI)



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

| 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.