



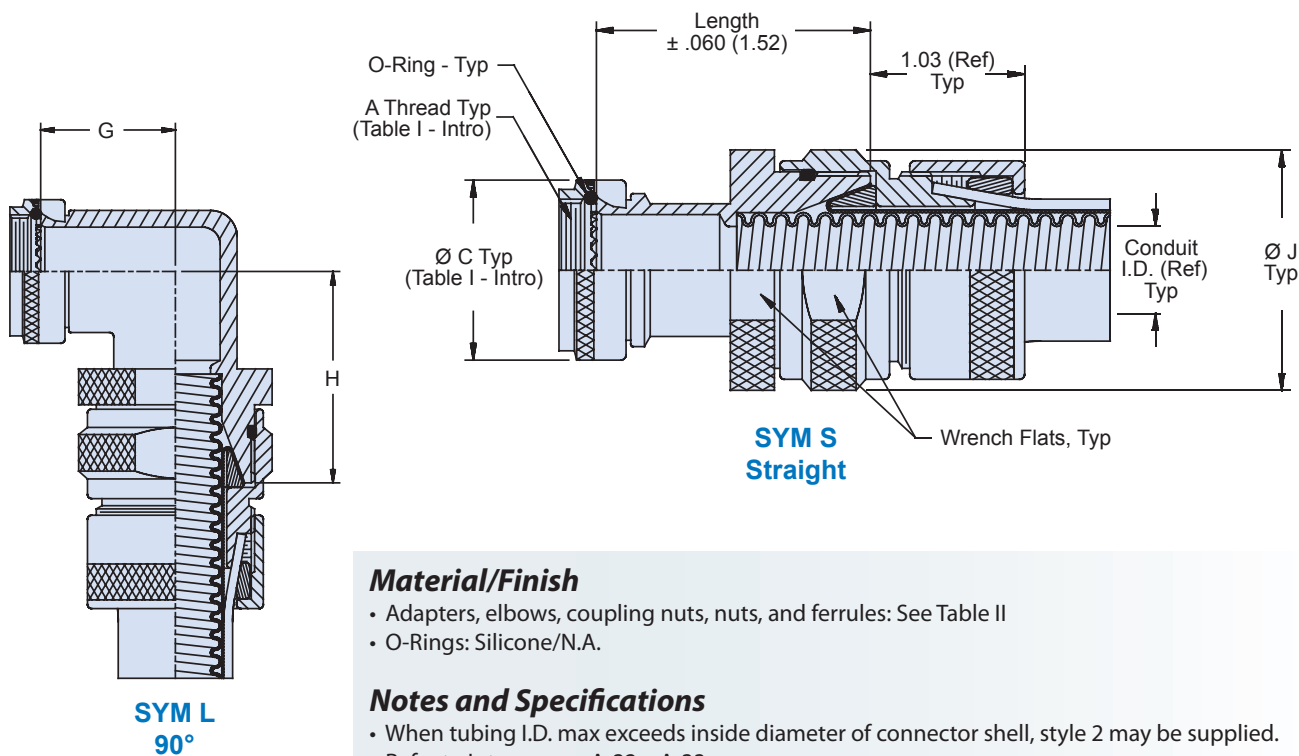
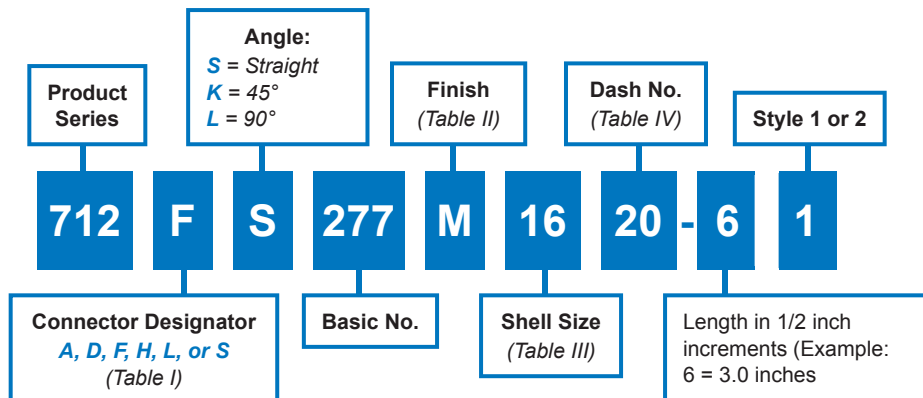
712-277

## Heavy-Duty Ground Ring System Backshell with Ground Ring Shield Termination for Series 74 Helical Convuluted Tubing

**Heavy-Duty convoluted tubing-to-connector backshell, environmental, for tubing with one or two braids and jacket**



### How To Order



### Material/Finish

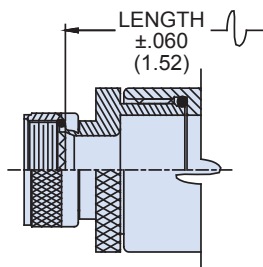
- Adapters, elbows, coupling nuts, nuts, and ferrules: See Table II
- O-Rings: Silicone/N.A.

### Notes and Specifications

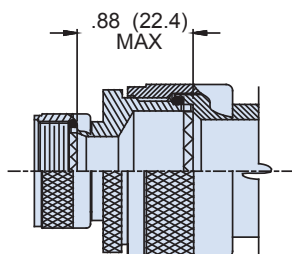
- When tubing I.D. max exceeds inside diameter of connector shell, style 2 may be supplied. Refer to Intro, pages A-32 – A-33.
- O-Ring not supplied with connector designator A
- Standard minimum length for Style I is 1.50 inch, for Style II is 2.00 inches. Consult factory for shorter length. Note: applies to Symbol S, Straight, only.

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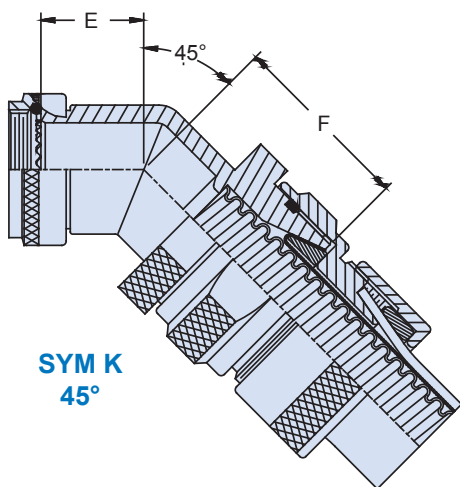
# Heavy-Duty Ground Ring System Backshell with Ground Ring Shield Termination for Series 74 Helical Convoluted Tubing

Series 74  
Helical Tubing

**STYLE 2  
(STRAIGHT)**



**STYLE 2  
(45° & 90°)**



**SYM K  
45°**

**Table III: Shell Size/Dimensions**

| Shell Size<br>A, D, F,<br>L, S | H  |             |             |             |             |
|--------------------------------|----|-------------|-------------|-------------|-------------|
|                                |    | E<br>Max    | F<br>Max    | G<br>Max    | H<br>Max    |
| 08                             | 09 | .64 (16.3)  | 1.23 (31.2) | .75 (19.1)  | 1.34 (34.0) |
| 10                             | 11 | .66 (16.8)  | 1.26 (32.0) | .81 (20.6)  | 1.40 (35.6) |
| 12                             | 13 | .69 (17.6)  | 1.28 (32.5) | .87 (22.1)  | 1.46 (37.1) |
| 14                             | 15 | .71 (18.0)  | 1.31 (33.3) | .92 (23.4)  | 1.53 (38.9) |
| 16                             | 17 | .73 (18.5)  | 1.33 (33.8) | .98 (24.9)  | 1.59 (40.4) |
| 18                             | 19 | .75 (19.1)  | 1.34 (34.0) | 1.02 (25.9) | 1.61 (40.9) |
| 20                             | 21 | .77 (19.6)  | 1.36 (34.5) | 1.08 (27.4) | 1.67 (42.4) |
| 22                             | 23 | .80 (20.3)  | 1.40 (35.6) | 1.14 (29.0) | 1.75 (44.5) |
| 24                             | 25 | .82 (20.8)  | 1.43 (36.3) | 1.20 (30.5) | 1.82 (46.2) |
| 28                             |    | 1.04 (26.4) | 1.60 (40.6) | 1.48 (37.6) | 2.06 (52.3) |
| 32                             |    | 1.09 (27.7) | 1.64 (41.7) | 1.61 (40.9) | 2.15 (54.6) |
| 36                             |    | 1.14 (29.0) | 1.69 (42.9) | 1.72 (43.7) | 2.26 (57.4) |

**Table II: Finish**

| Sym | Material       | Finish Description                                                          |
|-----|----------------|-----------------------------------------------------------------------------|
| B   | AL Alloy       | Olive Drab over Cadmiup Plate                                               |
| J   |                | Gold Iridite over Cadmiup Plate over Nickel                                 |
| M   |                | Electroless Nickel                                                          |
| N   |                | Olive Drab over Cadmium Plate over Nickel                                   |
| NC  |                | Zinc-Cobalt, Olive Drab                                                     |
| NF  |                | Olive Drab over Cadmium Plate over Electroless Nickel (500 Hour Salt Spray) |
| T   |                | Bright Dip Cadmium Plate over Nickel                                        |
| Z1  | 300 Series SST | Passivate                                                                   |

**Table IV: Dash No./Dimensions**

| Dash No. | Conduit I.D. |              | Ø J Max     |
|----------|--------------|--------------|-------------|
|          | Min          | Max          |             |
| 06       | .181 (4.6)   | .188 (4.8)   | 1.09 (27.7) |
| 09       | .273 (6.9)   | .281 (7.1)   | 1.16 (29.5) |
| 10       | .306 (7.8)   | .312 (7.9)   | 1.22 (31.0) |
| 12       | .359 (9.1)   | .375 (9.5)   | 1.28 (32.5) |
| 14       | .427 (10.8)  | .437 (11.1)  | 1.34 (34.0) |
| 16       | .480 (12.2)  | .500 (12.7)  | 1.41 (35.8) |
| 20       | .603 (15.3)  | .625 (15.9)  | 1.53 (38.9) |
| 24       | .725 (18.4)  | .750 (19.1)  | 1.66 (42.2) |
| 28       | .860 (21.8)  | .875 (22.2)  | 1.78 (45.2) |
| 32       | .970 (24.6)  | 1.000 (25.4) | 1.91 (48.5) |
| 40       | 1.205 (30.6) | 1.250 (31.8) | 2.28 (57.9) |
| 48       | 1.437 (36.5) | 1.500 (38.1) | 2.59 (65.8) |
| 56       | 1.688 (42.9) | 1.750 (44.5) | 2.91 (73.9) |
| 64       | 1.937 (49.2) | 2.000 (50.8) | 3.03 (77.0) |