

# 447-427

## EMI/RFI Non-Environmental Band-in-a-Can Backshell

### with Cable Clamp Strain-Relief

### Self-Locking Rotatable Coupling - Split Shell

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

Product Series **447 F D 427 NF 16 12 K P**

Connector Designator

Angel and Profile  
C = Low Profile Split 90°  
D = Split 90°  
F = Split 45°

Basic Part No.

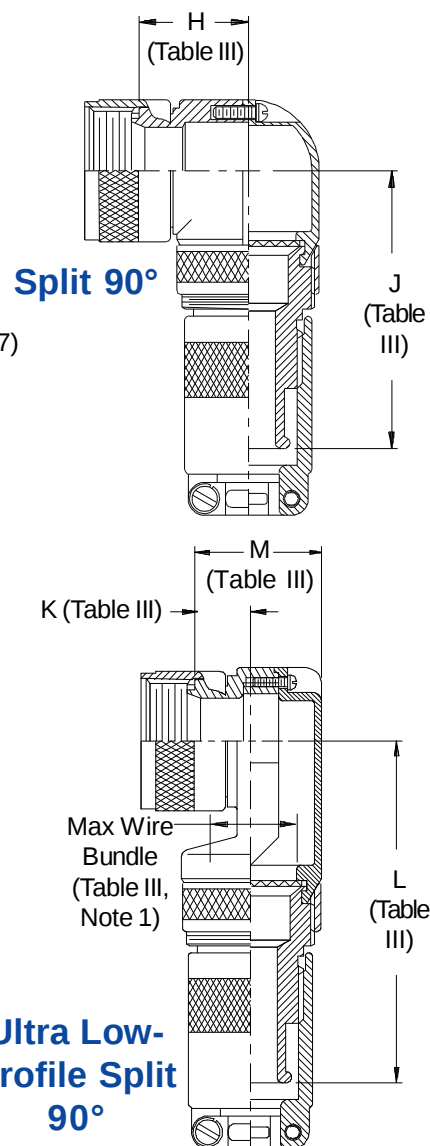
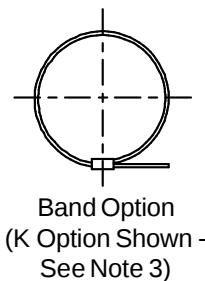
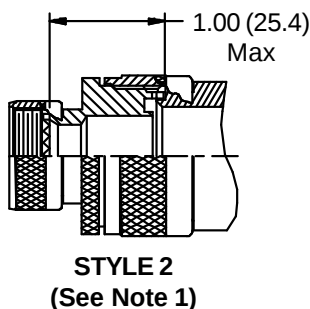
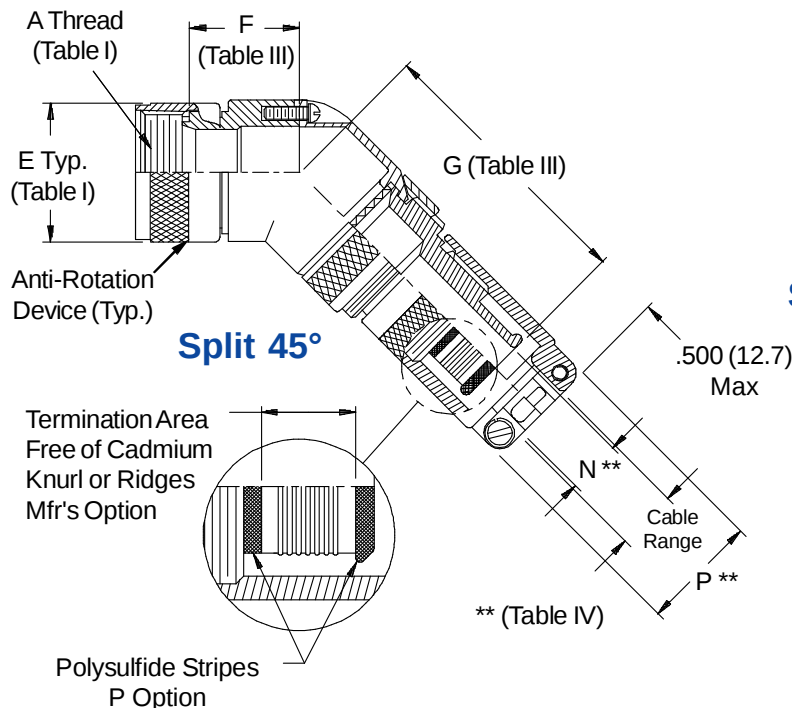
Polysulfide (Omit for none)

B = Band  
K = Precoiled Band  
(Omit for none)

Cable Range (Table IV)

Shell Size (Table I)

Finish (Table II)



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

**TABLE III: ELBOW DIMENSIONS**

| Shell Size | F Max        | G Max        | H Max        | J Max        | K Ref       | L Max        | M Max        | Function C Max Wire Bundle |
|------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|----------------------------|
| 08/09      | .596 (15.1)  | 1.840 (46.7) | .836 (21.2)  | 1.780 (45.2) | .496 (12.6) | 2.120 (53.8) | .837 (21.3)  | .250 (6.4)                 |
| 10/11      | .656 (16.7)  | 1.900 (48.3) | .906 (23.0)  | 1.840 (46.7) | .426 (10.8) | 2.280 (57.9) | .887 (22.5)  | .375 (9.5)                 |
| 12/13      | .716 (18.2)  | 1.970 (50.0) | .966 (24.5)  | 1.910 (48.5) | .426 (10.8) | 2.280 (57.9) | .887 (22.5)  | .375 (9.5)                 |
| 14/15      | .776 (19.7)  | 2.000 (50.8) | 1.026 (26.1) | 1.940 (49.3) | .436 (11.1) | 2.350 (59.7) | .987 (25.1)  | .500 (12.7)                |
| 16/17      | .836 (21.2)  | 2.100 (53.3) | 1.086 (27.6) | 2.040 (51.8) | .576 (14.6) | 2.400 (61.0) | 1.137 (28.9) | .625 (15.9)                |
| 18/19      | .906 (23.0)  | 2.160 (54.9) | 1.156 (29.4) | 2.100 (53.3) | .796 (20.2) | 2.430 (61.7) | 1.337 (34.0) | .625 (15.9)                |
| 20/21      | .976 (24.8)  | 2.220 (56.4) | 1.216 (30.9) | 2.160 (54.9) | .796 (20.2) | 2.430 (61.7) | 1.337 (34.0) | .625 (15.9)                |
| 22/23      | 1.036 (26.3) | 2.280 (57.9) | 1.276 (32.4) | 2.220 (56.4) | .696 (17.7) | 2.580 (65.5) | 1.337 (34.0) | .750 (19.1)                |
| 24/25      | 1.096 (27.8) | 2.340 (59.4) | 1.336 (33.9) | 2.280 (57.9) | .696 (17.7) | 2.580 (65.5) | 1.337 (34.0) | .750 (19.1)                |

**TABLE IV: CABLE RANGE**

| Dash No. | N     |        | P     |        | Cable Range |        |              |
|----------|-------|--------|-------|--------|-------------|--------|--------------|
|          | ±.030 | ±(.8)  | Max   |        | Min         | Max    |              |
| 10       | .220  | (5.6)  | 1.000 | (25.4) | .130        | (3.3)  | .250 (6.4)   |
| 12       | .310  | (7.9)  | 1.250 | (31.8) | .250        | (6.4)  | .380 (9.7)   |
| 14       | .440  | (11.2) | 1.340 | (34.0) | .310        | (7.9)  | .440 (11.2)  |
| 16       | .560  | (14.2) | 1.470 | (37.3) | .375        | (9.5)  | .630 (16.0)  |
| 18       | .630  | (16.0) | 1.560 | (39.6) | .560        | (14.2) | .690 (17.5)  |
| 20       | .750  | (19.1) | 1.620 | (41.1) | .630        | (16.0) | .750 (19.1)  |
| 22       | .880  | (22.4) | 1.750 | (44.5) | .750        | (19.1) | .880 (22.4)  |
| 24       | 1.000 | (25.4) | 1.870 | (47.5) | .880        | (22.4) | 1.000 (25.4) |
| 28       | 1.060 | (26.9) | 1.970 | (50.0) | 1.000       | (25.4) | 1.130 (28.7) |
| 32       | 1.190 | (30.2) | 2.090 | (53.1) | 1.130       | (28.7) | 1.250 (31.8) |

1. When maximum cable entry (page 21) is exceeded, Style 2 will be supplied. Dimensions F, G, H, and J will not apply. Please consult factory.
2. Metric dimensions (mm) are indicated in parentheses.
3. Backshells supplied with 600-052-\* band, see Glenair Series 600 Tool Catalog for installation.
4. Angular function "C", low-profile split elbow, not available with "S" connector designator.