

**380-001**  
**EMI/RFI Non-Environmental Backshell**  
**with Strain Relief**  
**Type A - Rotatable Coupling - Low Profile**

**CONNECTOR DESIGNATOR**  
**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)



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**TABLE III: ELBOW DIMENSIONS**

Shell Size		E		F		G		H	
Conn. Desig.	A-F-L-S H	Max	(mm)	Max	(mm)	Max	(mm)	Max	(mm)
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)

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

**TABLE II: STANDARD FINISHES**

SYMBOL	FINISH
B	Cadmium Plate, Olive Drab
M	Electroless Nickel
NF	Cadmium Plate, Olive Drab Over Electroless Nickel

See Inside Back Cover for Additional Finish Options

**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)	.312 (7.9)	.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 21) is exceeded, Style 2 will be supplied. Dimensions E, F, G and H will not apply. Please consult factory.
- 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.

**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)	.344 (8.7)	.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)	.562 (14.3)	.938 (23.8)
20	.656 (16.7)	1.323 (33.6)	2.062 (52.4)	1.848 (46.9)	.750 (19.1)	1.250 (31.8)
24	.656 (16.7)	1.323 (33.6)	2.312 (58.7)	2.255 (57.3)	.781 (19.8)	1.375 (34.9)
28	1.188 (30.2)	1.572 (39.9)	2.719 (69.1)	2.505 (63.6)	.969 (24.6)	1.625 (41.3)
32*	1.187 (30.1)	1.572 (39.9)	2.969 (75.4)	2.755 (70.0)	1.125 (28.6)	1.875 (47.6)
40*	1.125 (28.6)	1.572 (39.9)	3.531 (89.7)	3.255 (82.7)	1.469 (37.3)	2.375 (60.3)

\* Not available in Style M clamp.      \*\* Not Applicable Style D