

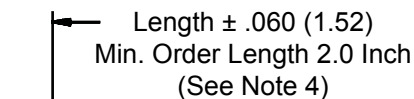
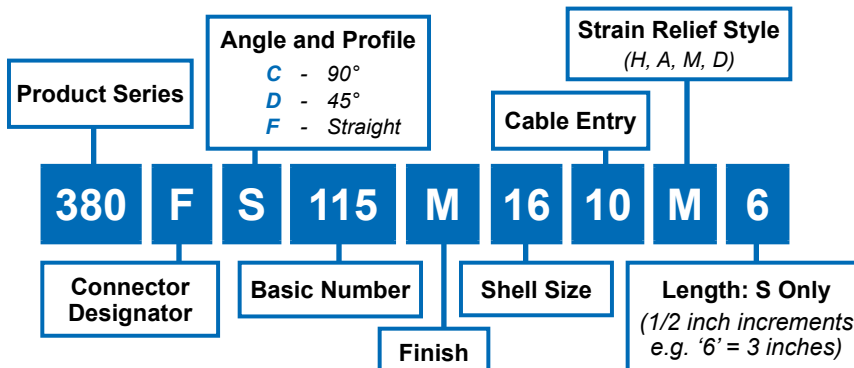
**CONNECTOR
DESIGNATORS**

MIL-DTL-38999 Series I, II (F)
MIL-DTL-38999 Series III and IV (H)

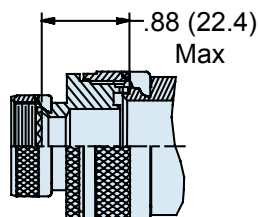
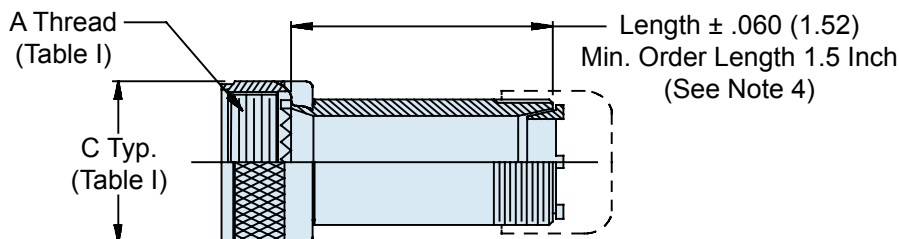
F-H

**ROTATABLE
COUPLING**

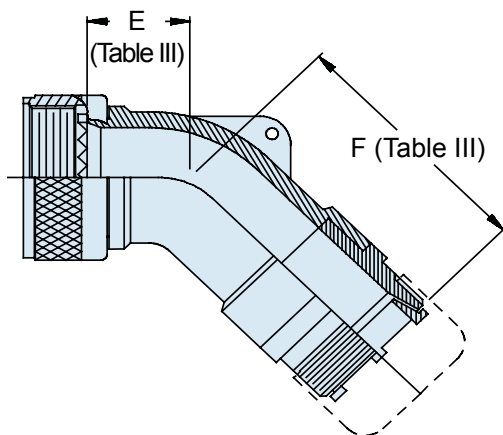
**TYPE B INDIVIDUAL
AND/OR OVERALL
SHIELD TERMINATION**



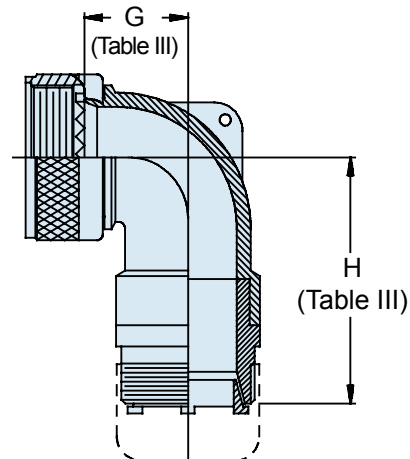
STYLE 2
(STRAIGHT)
See Note 1)



STYLE 2
(45° & 90°)
See Note 1)

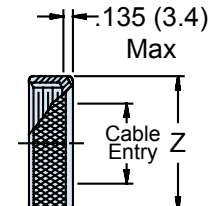
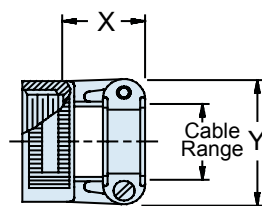
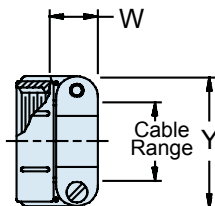
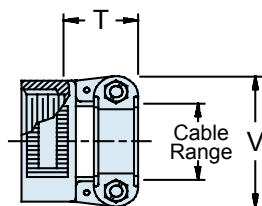


STYLE A
Medium Duty
(Table XI)



STYLE D
Medium Duty
(Table XI)

STYLE H
Heavy Duty
(Table X)



380-115
EMI/RFI Non-Environmental Backshell
with Strain Relief
Type B - Rotatable Coupling - Low Profile



TABLE III: ELBOW DIMENSIONS

Connector Designator F	Connector Designator H	E Max	F Max	G Max	H Max
08	09	.457 (11.6)	1.674 (42.5)	.500 (12.7)	1.684 (42.8)
10	11	.520 (13.2)	1.734 (44.0)	.595 (15.1)	1.804 (45.8)
12	13	.582 (14.8)	1.794 (45.6)	.610 (15.5)	1.824 (46.3)
14	15	.645 (16.4)	1.884 (47.9)	.700 (17.8)	1.894 (48.1)
16	17	.738 (18.7)	1.994 (50.6)	.885 (22.5)	1.984 (50.4)
18	19	.926 (23.5)	2.184 (55.5)	.975 (24.8)	2.154 (54.7)
20	21	.926 (23.5)	2.184 (55.5)	.975 (24.8)	2.154 (54.7)
22	23	1.020 (25.9)	2.334 (59.3)	1.125 (28.6)	2.264 (57.5)
24	25	1.020 (25.9)	2.334 (59.3)	1.125 (28.6)	2.264 (57.5)
28		1.145 (29.1)	2.384 (60.6)	1.225 (31.1)	2.434 (61.8)
32		1.207 (30.7)	2.484 (63.1)	1.575 (40.0)	2.684 (68.2)
36		1.238 (31.4)	2.574 (65.4)	1.775 (45.1)	2.684 (68.2)

TABLE II: FINISHES

Symbol	Finish
B	Cadmium Plate, Olive Drab
C	Anodize, Black
GB	Black Anodize, Hard Coat
M	Electroless Nickel
N	Cad Plate, Olive Drab over Electroless Nickel
NF	Cadmium Plate, Olive Drab over Electroless Nickel
MT	Ni-PTFE 1000 Hour Grey™ Nickel Fluorocarbon Polymer
ZN	Zinc-Nickel

TABLE IV: CABLE CLAMP CABLE RANGE

Dash No.	T Max	V Max	Cable Range Min	Cable Range 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)

APPLICATION NOTES

1. When maximum cable entry is exceeded, Style II will be supplied. Dimensions F, G, H and J will not apply. Please consult factory.
2. Cable range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
3. Consult factory about shorter lengths on straight backshells.
4. Metric dimensions (mm) are indicated in parentheses.

TABLE IV (Continued): CABLE CLAMP CABLE RANGE

Dash No.	W Max	X Max	Y Max	Z Max	Cable Range Min**	Cable Range 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