

370-017

Composite Cable-Sealing Environmental Backshell with Self-Locking Rotatable Coupling and Qwik-Clamp

CONNECTOR DESIGNATOR:

A	MIL-DTL-5015, -26482 Series II, and -83723 Series I and III
F	MIL-DTL-38999 Series I, II
L	MIL-DTL-38999 Series 1.5 (JN1003)
H	MIL-DTL-38999 Series III and IV
G	MIL-DTL-28840
U	DG123 and DG123A

SELF-LOCKING

ROTATABLE COUPLING

STANDARD PROFILE

Product Series

370 - Environmental Strain Relief

Angle and Profile

S - Straight
W - 90° Elbow

Dash Number

(Table IV)

Finish Symbol

(See Table III)

370

H

S

017

XO

19

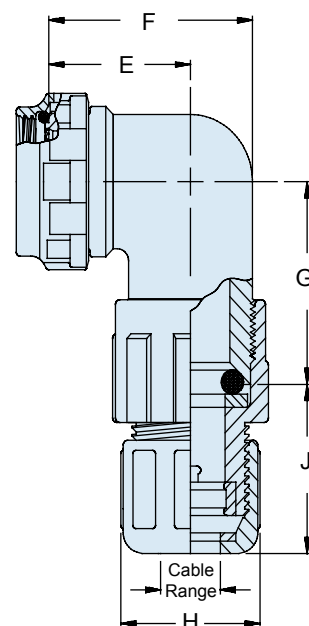
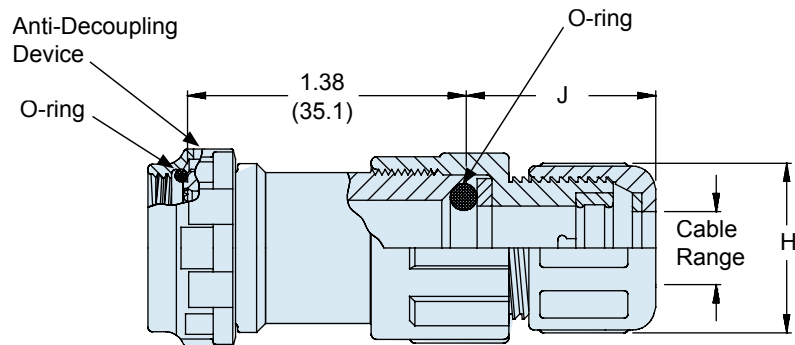
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Connector
Designator
A, F, L, H, G and U

Basic Part
Number

Connector
Shell Size
(See Table II)

US PATENT 5211576



NOTES

1. Coupling nut supplied unplated.
2. See Table I in Intro for front-end dimensional details.

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Composite Cable-Sealing Environmental Backshell with Self-Locking Rotatable Coupling and Qwik-Clamp



Composite
Backshells

A

TABLE II: CONNECTOR SHELL SIZE ORDER NUMBER

Shell Size For Connector Designator*					E		F		G		Max Entry Dash No.**
A	F/L	H	G	U	± .06	(1.5)	± .09	(2.3)	± .09	(2.3)	
08	08	09	—	—	.69	(17.5)	.88	(22.4)	1.06	(26.9)	08
10	10	11	—	08	.75	(19.1)	1.00	(25.4)	1.13	(28.7)	12
12	12	13	11	10	.81	(20.6)	1.13	(28.7)	1.19	(30.2)	16
14	14	15	13	12	.88	(22.4)	1.31	(33.3)	1.25	(31.8)	20
16	16	17	15	14	.94	(23.9)	1.38	(35.1)	1.31	(33.3)	24
18	18	19	17	16	.97	(24.6)	1.44	(36.6)	1.34	(34.0)	28
20	20	21	19	18	1.06	(26.9)	1.63	(41.4)	1.44	(36.6)	32
22	22	23	—	20	1.13	(28.7)	1.75	(44.5)	1.50	(38.1)	36
24	24	25	23	22	1.19	(30.2)	1.88	(47.8)	1.56	(39.6)	40
28	—	—	25	24	1.34	(34.0)	2.13	(54.1)	1.66	(42.2)	44

**Consult factory for additional entry sizes available.

TABLE III: FINISH

Symbol	Finish Description
XB	No Plating - Black Color (Non-Conductive Finish)
XM	2000 Hour Corrosion Resistant Electroless Nickel
XMT	2000 Hour Corrosion Resistant Ni-PTFE, Nickel-Fluorocarbon Polymer. 1000 Hour Grey™
XO	No Plating - Brown Color (Non-Conductive Finish)
XW	2000 Hour Corrosion Resistant Cadmium/Olive Drab over Electroless Nickel

TABLE IV: CABLE ENTRY

Dash No.	H		J		Cable Range			
	(Max)		(Max)		Minimum		Maximum	
08	.72	(18.3)	.87	(22.1)	.13	(3.3)	.25	(6.4)
12	.91	(23.1)	1.01	(25.7)	.22	(5.6)	.38	(9.7)
16	1.09	(27.7)	1.11	(28.2)	.34	(8.6)	.50	(12.7)
20	1.22	(31.0)	1.11	(28.2)	.47	(11.9)	.63	(15.9)
24	1.34	(34.0)	1.11	(28.2)	.60	(15.0)	.75	(19.1)
28	1.53	(38.9)	1.26	(32.0)	.72	(18.3)	.88	(22.2)
32	1.72	(43.7)	1.41	(35.8)	.84	(21.3)	1.00	(25.4)
36	1.85	(47.0)	1.41	(35.8)	.97	(24.6)	1.13	(28.6)
40	1.97	(50.0)	1.41	(35.8)	1.09	(27.7)	1.25	(31.8)
44	2.09	(53.1)	1.53	(38.9)	1.22	(31.0)	1.38	(34.9)