

390-056 Submersible EMI/RFI Cable Sealing Backshell with Strain Relief Type E - Rotatable Coupling - Standard Profile

CONNECTOR DESIGNATORS **A-F-H-L-S**

ROTATABLE COUPLING

TYPE E INDIVIDUAL AND/OR OVERALL SHIELD TERMINATION

Product Series — **390 F H 056 M 16 10 D M**

Connector Designator —

Angle and Profile —
H = 45°
J = 90°
See page 39-46 for straight

Strain Relief Style (H, A, M, D)

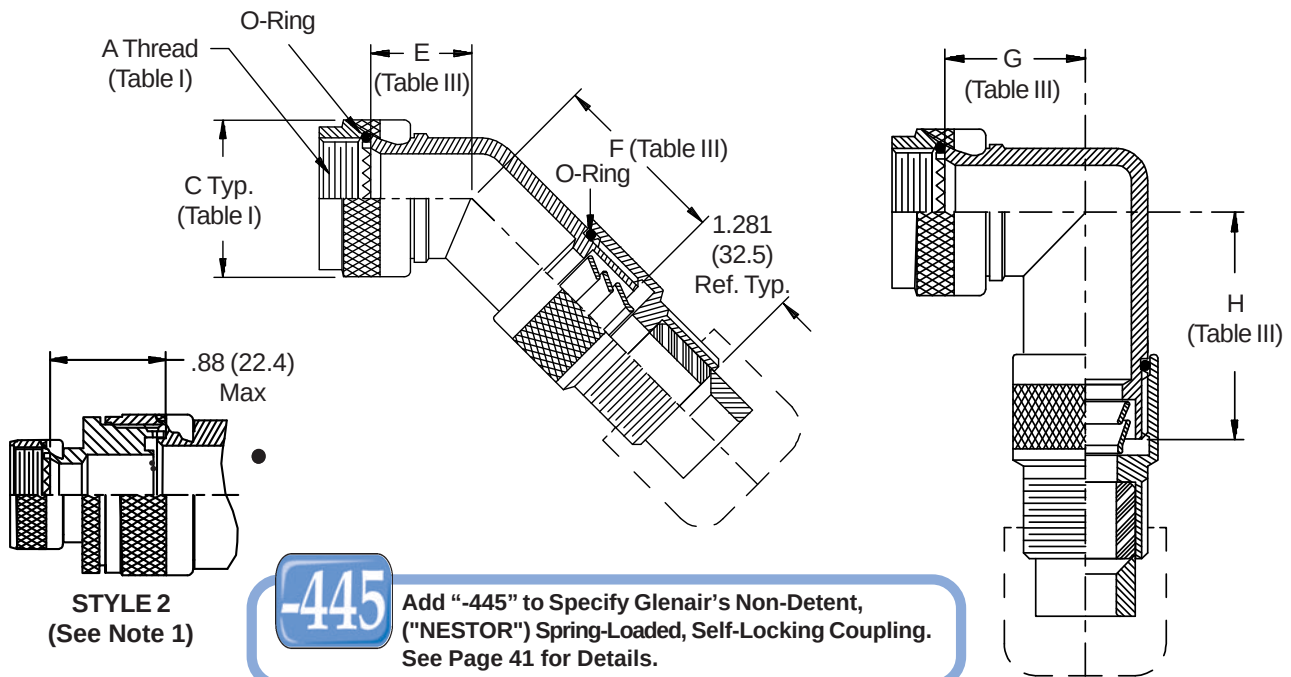
Termination (Note 5)
D = 2 Rings, T = 3 Rings

Cable Entry (Tables X, XI)

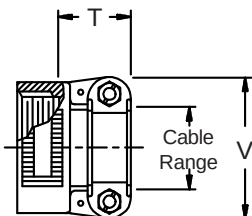
Shell Size (Table I)

Finish (Table II)

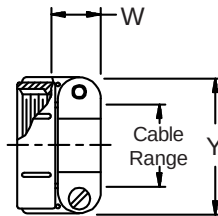
Basic Part No. —



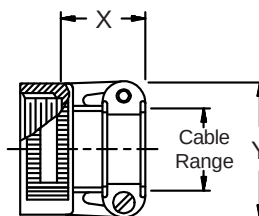
STYLE H
Heavy Duty
(Table X)



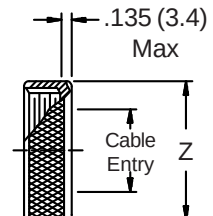
STYLE A
Medium Duty
(Table XI)



STYLE M
Medium Duty
(Table XI)



STYLE D
Medium Duty
(Table XI)



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

TABLE III: ELBOW DIMENSIONS

Shell Size Conn. Desig. A-F-L-S		E Max		F Max		G Max		H Max	
08	09	.639	(16.2)	1.031	(26.2)	.750	(19.1)	1.157	(29.4)
10	11	.664	(16.9)	1.063	(27.0)	.810	(20.6)	1.217	(30.9)
12	13	.688	(17.5)	1.094	(27.8)	.870	(22.1)	1.277	(32.4)
14	15	.705	(17.9)	1.127	(28.6)	.920	(23.4)	1.347	(34.2)
16	17	.732	(18.6)	1.147	(29.1)	.980	(24.9)	1.407	(35.7)
18	19	.748	(19.0)	1.157	(29.4)	1.020	(25.9)	1.427	(36.2)
20	21	.773	(19.6)	1.177	(29.9)	1.080	(27.4)	1.487	(37.8)
22	23	.800	(20.3)	1.217	(30.9)	1.140	(29.0)	1.567	(39.8)
24	25	.823	(20.9)	1.247	(31.7)	1.200	(30.5)	1.637	(41.6)

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)	.387	(9.8)	.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)

1. 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.
2. Metric dimensions (mm) are indicated in parentheses.
3. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.
4. Interface O-Ring not supplied with connector designator A.
5. Designate Symbol T for 3 ring termination of individual and overall braid. Designate D for standard 2 ring termination of individual or overall braid.
6. -445 modification not available for MIL-DTL-38999 Series II

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)	.387	(9.8) .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)	.625	(15.9) .938 (23.8)
20	.656	(16.7)	1.323	(33.6)	2.062	(52.4)	1.848	(46.9)	.875	(22.2) 1.250 (31.8)
24	.656	(16.7)	1.323	(33.6)	2.312	(58.7)	2.255	(57.3)	1.000	(25.4) 1.375 (34.9)
28	1.188	(30.2)	1.572	(39.9)	2.719	(69.1)	2.505	(63.6)	1.250	(31.8) 1.625 (41.3)
32*	1.187	(30.1)	1.572	(39.9)	2.969	(75.4)	2.755	(70.0)	1.437	(36.5) 1.875 (47.6)
40*	1.125	(28.6)	1.572	(39.9)	3.531	(89.7)	3.255	(82.7)	1.875	(47.6) 2.375 (60.3)

* Not available in Style M clamp.

** Not Applicable Style D