

Series 970 PowerTrip™ Connectors and Accessories

Accessories

390PS036 EMI/RFI Submersible Backshell



390PS036 SUBMERSIBLE EMI/RFI BACKSHELL WITH SADDLE BAR CABLE CLAMP

Heavy duty backshell fits Series 970 connectors and withstands MIL-S-901 grade A high impact shock. Splined connector interface. Terminate cable shield to inner and outer ground rings. Heavy duty saddle bar cable clamp with telescoping stainless steel screws, lockwashers and lockwire holes. Meets AS85049/42 Class 1A requirements. Withstands six feet water immersion for 48 hours. Aluminum or stainless steel with silicone O-rings and cable gland. Meets environmental, electrical and mechanical requirements of MIL-DTL-28840.



MATERIALS AND FINISHES
Adapters, crimp rings, follower, coupling nut, cable clamp: aluminum or stainless steel. See Ordering Information for finish options.
Hardware: stainless steel
Cable sealing gland, O-rings: silicone
Wire mesh cordgrip: stainless steel

INSTALLATION TORQUE	
Shell Size	Recommended Installation Torque Inch-Pounds ± 5
18	116
20, 24	136
28, 32, 36	148
40	164

HOW TO ORDER

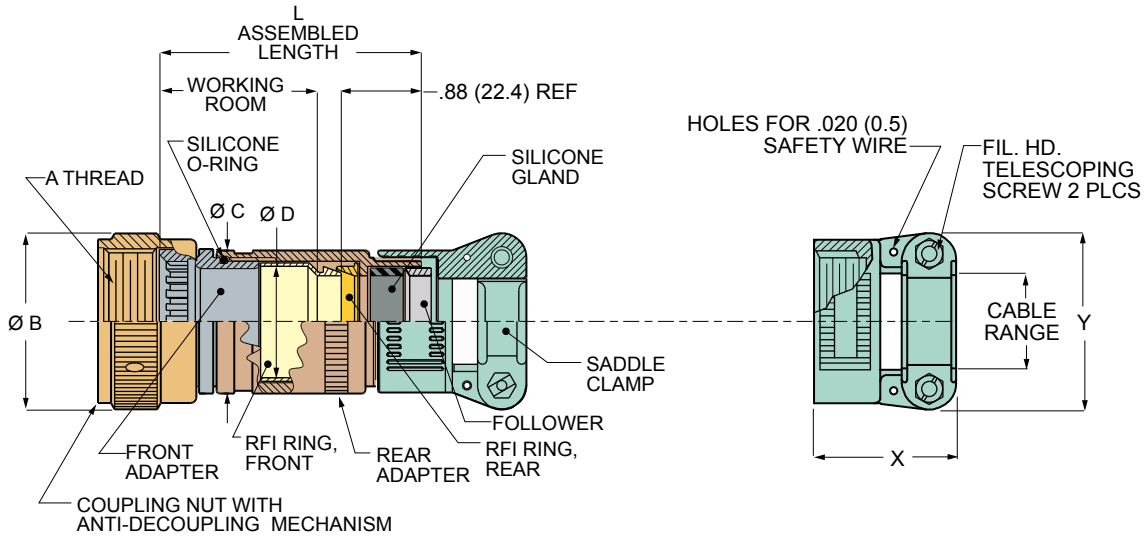
SHELL SIZE	CABLE RANGE				ALUMINUM/ NICKEL	ALUMINUM/ NICKEL-PTFE	ALUMINUM/ OD CADMIUM	ALUMINUM/ BLACK ZINC- NICKEL	STAINLESS STEEL/ PASSIVATED
	Min.		Max.						
	In.	mm.	In.	mm.					
18	.375	9.53	.625	15.88	390PS036ME1810	390PS036MT1810	390PS036NF1810	390PS036ZR1810	390PS036Z11810
	.438	11.13	.750	19.05	390PS036ME1812	390PS036MT1812	390PS036NF1812	390PS036ZR1812	390PS036Z11812
	.625	15.88	.938	23.83	390PS036ME1816	390PS036MT1816	390PS036NF1816	390PS036ZR1816	390PS036Z11816
20	.375	9.53	.625	15.88	390PS036ME2010	390PS036MT2010	390PS036NF2010	390PS036ZR2010	390PS036Z12010
	.438	11.13	.750	19.05	390PS036ME2012	390PS036MT2012	390PS036NF2012	390PS036ZR2012	390PS036Z12012
	.625	15.88	.938	23.83	390PS036ME2016	390PS036MT2016	390PS036NF2016	390PS036ZR2016	390PS036Z12016
24	.438	11.13	.750	19.05	390PS036ME2412	390PS036MT2412	390PS036NF2412	390PS036ZR2412	390PS036Z12412
	.625	15.88	.938	23.83	390PS036ME2416	390PS036MT2416	390PS036NF2416	390PS036ZR2416	390PS036Z12416
	.875	22.23	1.250	31.75	390PS036ME2420	390PS036MT2420	390PS036NF2420	390PS036ZR2420	390PS036Z12420
28	.625	15.88	.938	23.83	390PS036ME2816	390PS036MT2816	390PS036NF2816	390PS036ZR2816	390PS036Z12816
	.875	22.23	1.250	31.75	390PS036ME2820	390PS036MT2820	390PS036NF2820	390PS036ZR2820	390PS036Z12820
	1.000	25.40	1.380	35.05	390PS036ME2824	390PS036MT2824	390PS036NF2824	390PS036ZR2824	390PS036Z12824
32	1.000	25.40	1.380	35.05	390PS036ME3224	390PS036MT3224	390PS036NF3224	390PS036ZR3224	390PS036Z13224
	1.250	31.75	1.625	41.28	390PS036ME3228	390PS036MT3228	390PS036NF3228	390PS036ZR3228	390PS036Z13228
	1.437	36.50	1.875	47.63	390PS036ME3232	390PS036MT3232	390PS036NF3232	390PS036ZR3232	390PS036Z13232
36	1.000	25.40	1.375	34.93	390PS036ME3624	390PS036MT3624	390PS036NF3624	390PS036ZR3624	390PS036Z13624
	1.250	31.75	1.625	41.28	390PS036ME3628	390PS036MT3628	390PS036NF3628	390PS036ZR3628	390PS036Z13628
	1.437	36.50	1.875	47.63	390PS036ME3632	390PS036MT3632	390PS036NF3632	390PS036ZR3632	390PS036Z13632
	1.875	25.40	2.375	60.33	390PS036ME3640	390PS036MT3640	390PS036NF3640	390PS036ZR3640	390PS036Z13640
40	1.000	47.63	1.375	34.93	390PS036ME4024	390PS036MT4024	390PS036NF4024	390PS036ZR4024	390PS036Z14024
	1.250	31.75	1.625	41.28	390PS036ME4028	390PS036MT4028	390PS036NF4028	390PS036ZR4028	390PS036Z14028
	1.437	36.50	1.875	47.63	390PS036ME4032	390PS036MT4032	390PS036NF4032	390PS036ZR4032	390PS036Z14032
	2.125	47.63	2.375	60.33	390PS036ME4040	390PS036MT4040	390PS036NF4040	390PS036ZR4040	390PS036Z14040



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390PS036 BACKSHELL WITH SADDLE BAR CLAMP



Shell Size	Cable Range				L Length ±.12 (3.0)		Working Room		A Thread Class 2B	ØB Max.		ØC Max.		ØD Min.		ØX Max.		Y Ref.	
	Min.		Max.		In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
	In.	mm.	In.	mm.	In.	mm.	In.	mm.		In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
18	.375	9.53	.625	15.88	4.62	117.4	3.00	76.2	1.125-18 UNEF	1.44	36.6	1.406	35.71	1.000	25.40	1.281	32.54	1.312	33.32
	.438	11.13	.750	19.05	4.62	117.4	3.00	76.2	1.125-18 UNEF	1.44	36.6	1.406	35.71	1.000	25.40	1.312	33.32	1.593	40.46
	.625	15.88	.938	23.83	4.62	117.4	3.00	76.2	1.125-18 UNEF	1.44	36.6	1.531	38.89	1.125	28.58	1.406	35.71	1.750	44.45
20	.375	9.53	.625	15.88	4.62	117.4	3.00	76.2	1.250-18 UNEF	1.54	39.1	1.531	38.89	1.125	28.58	1.281	32.54	1.312	33.32
	.438	11.13	.750	19.05	4.62	117.4	3.00	76.2	1.250-18 UNEF	1.54	39.1	1.531	38.89	1.125	28.58	1.312	33.32	1.593	40.46
	.625	15.88	.938	23.83	4.62	117.4	3.00	76.2	1.250-18 UNEF	1.54	39.1	1.656	42.06	1.250	31.75	1.406	35.71	1.750	44.45
24	.438	11.13	.750	19.05	5.12	130.1	3.50	88.9	1.438-18 UNEF	1.73	43.9	1.656	42.06	1.250	31.75	1.312	33.32	1.593	40.46
	.625	15.88	.938	23.83	5.12	130.1	3.50	88.9	1.438-18 UNEF	1.73	43.9	1.781	45.24	1.375	34.93	1.593	40.46	1.750	44.45
	.875	22.23	1.250	31.75	5.12	130.1	3.50	88.9	1.438-18 UNEF	1.73	43.9	1.781	45.24	1.375	34.93	1.625	41.28	2.093	53.16
28	.625	15.88	.938	23.83	5.12	130.1	3.50	88.9	1.812-16 UN	2.14	54.4	2.156	54.76	1.750	44.45	1.406	35.71	1.750	44.45
	.875	22.23	1.250	31.75	5.12	130.1	3.50	88.9	1.812-16 UN	2.14	54.4	2.156	54.76	1.750	44.45	1.593	40.46	2.093	53.16
	1.000	25.40	1.380	35.05	5.12	130.1	3.50	88.9	1.812-16 UN	2.14	54.4	2.156	54.76	1.750	44.45	1.625	41.28	2.343	59.51
32	1.000	25.40	1.380	35.05	5.12	130.1	3.50	88.9	2.062-16 UNS	2.37	60.2	2.281	57.94	1.875	47.63	1.625	41.28	2.343	59.51
	1.250	31.75	1.625	41.28	6.12	155.5	4.50	114.3	2.062-16 UNS	2.37	60.2	2.281	57.94	1.875	47.63	1.900	48.26	2.750	69.85
	1.437	36.50	1.875	47.63	6.12	155.5	4.50	114.3	2.062-16 UNS	2.37	60.2	2.281	57.94	1.875	47.63	1.900	48.26	3.000	76.20
36	1.000	25.40	1.375	34.93	6.12	155.5	4.50	114.3	2.250-16 UN	2.63	66.8	2.531	64.29	2.125	53.98	1.625	41.28	2.343	59.51
	1.250	31.75	1.625	41.28	6.12	155.5	4.50	114.3	2.250-16 UN	2.63	66.8	2.531	64.29	2.125	53.98	1.900	48.26	2.750	69.85
	1.437	36.50	1.875	47.63	6.12	155.5	4.50	114.3	2.250-16 UN	2.63	66.8	2.531	64.29	2.125	53.98	1.900	48.26	3.000	76.20
	1.875	47.63	2.375	60.33	6.62	168.2	5.00	127.0	2.250-16 UN	2.63	66.8	3.031	76.99	2.625	66.68	2.060	52.32	3.500	88.90
40	1.000	25.40	1.375	34.93	6.12	155.5	4.50	114.3	2.500-16 UN	2.93	74.4	2.781	70.64	2.375	60.33	1.625	41.28	2.343	59.51
	1.250	31.75	1.625	41.28	6.12	155.5	4.50	114.3	2.500-16 UN	2.93	74.4	2.781	70.64	2.375	60.33	1.900	48.26	2.750	69.85
	1.437	36.50	1.875	47.63	6.12	155.5	4.50	114.3	2.500-16 UN	2.93	74.4	2.781	70.64	2.375	60.33	1.900	48.26	3.000	76.20
	1.875	47.63	2.375	60.33	6.62	168.2	5.00	127.0	2.500-16 UN	2.93	74.4	3.031	76.99	2.625	66.68	2.060	52.32	3.500	88.90