

Series 970 PowerTrip™ Connectors and Accessories

390PS086 EMI/RFI Submersible Backshell



390PS086 SUBMERSIBLE HEAVY DUTY BACKSHELL WITH WIRE MESH CORDGRIP

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. Stainless steel wire mesh cordgrip provides strain relief to heavy duty power cables. 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: aluminum or stainless steel. See table 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

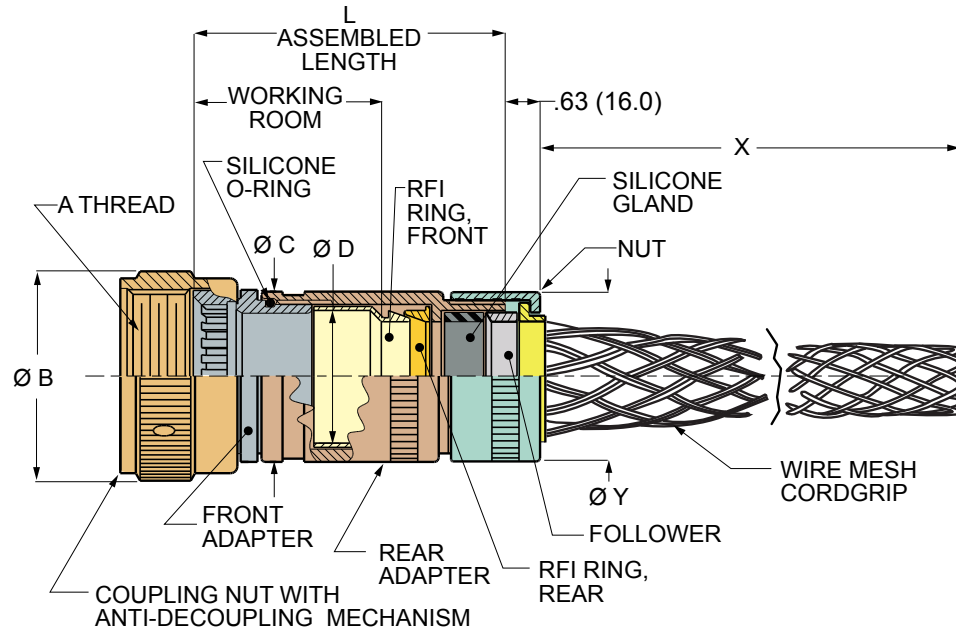
SHELL SIZE	CABLE RANGE				ALUMINUM/NICKEL	ALUMINUM/NICKEL-PTFE	ALUMINUM/OD CADMIUM	ALUMINUM/BLACK ZINC-NICKEL	STAINLESS STEEL/PASSIVATED
	Min.		Max.						
	In.	mm.	In.	mm.					
18	.500	12.70	.625	15.88	390PS086ME1810	390PS086MT1810	390PS086NF1810	390PS086ZR1810	390PS086Z11810
	.625	15.88	.750	19.05	390PS086ME1812	390PS086MT1812	390PS086NF1812	390PS086ZR1812	390PS086Z11812
	.750	19.05	.875	22.23	390PS086ME1814	390PS086MT1814	390PS086NF1814	390PS086ZR1814	390PS086Z11814
20	.500	12.70	.625	15.88	390PS086ME2010	390PS086MT2010	390PS086NF2010	390PS086ZR2010	390PS086Z12010
	.625	15.88	.750	19.05	390PS086ME2012	390PS086MT2012	390PS086NF2012	390PS086ZR2012	390PS086Z12012
	.750	19.05	.875	22.23	390PS086ME2014	390PS086MT2014	390PS086NF2014	390PS086ZR2014	390PS086Z12014
24	.625	15.88	.750	19.05	390PS086ME2412	390PS086MT2412	390PS086NF2412	390PS086ZR2412	390PS086Z12412
	.750	19.05	.875	22.23	390PS086ME2414	390PS086MT2414	390PS086NF2414	390PS086ZR2414	390PS086Z12414
	1.000	25.40	1.250	31.75	390PS086ME2420	390PS086MT2420	390PS086NF2420	390PS086ZR2420	390PS086Z12420
28	.750	19.05	.875	22.23	390PS086ME2814	390PS086MT2814	390PS086NF2814	390PS086ZR2814	390PS086Z12814
	1.000	25.40	1.250	31.75	390PS086ME2820	390PS086MT2820	390PS086NF2820	390PS086ZR2820	390PS086Z12820
	1.125	28.58	1.375	34.93	390PS086ME2824	390PS086MT2824	390PS086NF2824	390PS086ZR2824	390PS086Z12824
32	1.125	28.58	1.375	34.93	390PS086ME3224	390PS086MT3224	390PS086NF3224	390PS086ZR3224	390PS086Z13224
	1.375	34.93	1.625	41.28	390PS086ME3228	390PS086MT3228	390PS086NF3228	390PS086ZR3228	390PS086Z13228
	1.625	41.28	1.875	47.63	390PS086ME3232	390PS086MT3232	390PS086NF3232	390PS086ZR3232	390PS086Z13232
36	1.125	28.58	1.375	34.93	390PS086ME3624	390PS086MT3624	390PS086NF3624	390PS086ZR3624	390PS086Z13624
	1.375	34.93	1.625	41.28	390PS086ME3628	390PS086MT3628	390PS086NF3628	390PS086ZR3628	390PS086Z13628
	1.625	41.28	1.875	47.63	390PS086ME3632	390PS086MT3632	390PS086NF3632	390PS086ZR3632	390PS086Z13632
	2.125	53.98	2.375	60.33	390PS086ME3640	390PS086MT3640	390PS086NF3640	390PS086ZR3640	390PS086Z13640
40	1.125	28.58	1.375	34.93	390PS086ME4024	390PS086MT4024	390PS086NF4024	390PS086ZR4024	390PS086Z14024
	1.375	34.93	1.625	41.28	390PS086ME4028	390PS086MT4028	390PS086NF4028	390PS086ZR4028	390PS086Z14028
	1.625	41.28	1.875	47.63	390PS086ME4032	390PS086MT4032	390PS086NF4032	390PS086ZR4032	390PS086Z14032
	2.125	53.98	2.375	60.33	390PS086ME4040	390PS086MT4040	390PS086NF4040	390PS086ZR4040	390PS086Z14040



Series 970 PowerTrip™ Connectors and Accessories Accessories

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390PS086 BACKSHELL WITH WIRE MESH CORD GRIP



Shell Size	Cable Range				L Length ±.12 (3.0)		Working Room		A Thread Class 2B	ØB Max.		ØC Max.		ØD Min.		X Ref.		Y Max.	
	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	.500	12.70	.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	4.37	111.0	1.16	29.5
	.625	15.88	.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	5.00	127.0	1.34	34.0
	.750	19.05	.875	22.23	4.62	117.4	3.00	76.2	1.125-18 UNEF	1.44	36.6	1.531	38.89	1.125	28.58	5.00	127.0	1.59	40.4
20	.500	12.70	.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	4.37	111.0	1.16	29.5
	.625	15.88	.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	6.00	152.4	1.34	34.0
	.750	19.05	.875	22.23	4.62	117.4	3.00	76.2	1.250-18 UNEF	1.54	39.1	1.656	42.06	1.250	31.75	5.00	127.0	1.59	40.4
24	.625	15.88	.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	6.00	152.4	1.34	34.0
	.750	19.05	.875	22.23	5.12	130.1	3.50	88.9	1.438-18 UNEF	1.73	43.9	1.781	45.24	1.375	34.93	5.00	127.0	1.59	40.4
	1.000	25.40	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	6.25	158.8	1.94	49.3
28	.750	19.05	.875	22.23	5.12	130.1	3.50	88.9	1.812-16 UN	2.14	54.4	2.156	54.76	1.750	44.45	5.00	127.0	1.59	40.4
	1.000	25.40	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	6.25	158.8	1.94	49.3
	1.125	28.58	1.375	34.93	5.12	130.1	3.50	88.9	1.812-16 UN	2.14	54.4	2.156	54.76	1.750	44.45	7.25	184.2	2.19	55.6
32	1.125	28.58	1.375	34.93	5.12	130.1	3.50	88.9	2.062-16 UNS	2.37	60.2	2.281	57.94	1.875	47.63	7.25	184.2	2.19	55.6
	1.375	34.93	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	8.00	203.2	2.43	61.7
	1.625	41.28	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	10.00	254.0	2.69	68.3
36	1.125	28.58	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	7.25	184.2	2.19	55.6
	1.375	34.93	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	8.00	203.2	2.43	61.7
	1.625	41.28	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	10.00	254.0	2.69	68.3
	2.125	53.98	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	12.60	320.0	3.19	81.0
40	1.125	28.58	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	7.25	184.2	2.19	55.6
	1.375	34.93	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	8.00	203.2	2.43	61.7
	1.625	41.28	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	10.00	254.0	2.69	68.3
	2.125	53.98	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	12.60	320.0	3.19	81.0