



AS85049/4 Style 1 Straight Environmental Backshell

TABLE I: Shell Size and Dimensions

Shell Size	A Thread Class 2B-LH	B Dia ±.015 (0.4)	G Dia Max	H Max	J Thread (Plated) Class 2 (A or B)
12	.7500 - 20 UNEF	.933 (23.7)	1.094 (27.8)	.765 (19.4)	0.875-0.1P-0.2L-DS
14	.8750 - 20 UNEF	1.057 (26.8)	1.219 (31.0)	.765 (19.4)	1.000-0.1P-0.2L-DS
18	1.1250 - 18 UNEF	1.307 (33.2)	1.469 (37.3)	.980 (24.9)	1.250-0.1P-0.2L-DS
20	1.2500 - 18 UNEF	1.433 (36.4)	1.562 (39.7)	.980 (24.9)	1.375-0.1P-0.2L-DS
22	1.3750 - 18 UNEF	1.557 (39.5)	1.688 (42.9)	.980 (24.9)	1.500-0.1P-0.2L-DS
24	1.6250 - 18 UNEF	1.807 (45.9)	1.938 (49.2)	.980 (24.9)	1.750-0.1P-0.2L-DS
28	1.8750 - 16 UN	2.057 (52.2)	2.219 (56.4)	.980 (24.9)	2.000-0.1P-0.2L-DS
32	2.0625 - 16 UNS	2.307 (58.6)	2.469 (62.7)	.980 (24.9)	2.250-0.1P-0.2L-DS
36	2.3125 - 16 UNS	2.557 (64.9)	2.719 (69.1)	.980 (24.9)	2.500-0.1P-0.2L-DS
40	2.6250 - 16 UN	2.870(72.9)	2.969(75.4)	.980 (24.9)	2.750-0.1P-0.2L-DS
44	2.8750 - 16 UN	3.120 (79.2)	3.217 (81.7)	.980 (24.9)	3.000-0.1P-0.2L-DS

TABLE II: Dash Number and Cable Range

Dash No.	Shell Size	E Max	F ±.031 (0.8)	Cable Range Min Max	
1	12	4.275 (108.6)	1.375 (34.9)	.436 (11.1)	.530 (13.5)
2	12	3.678 (93.4)	1.125 (28.6)	.406 (10.3)	.500 (12.7)
3	12	4.275 (108.6)	1.375 (34.9)	.311 (7.9)	.405 (10.3)
4	14	4.177 (106.1)	1.375 (34.9)	.511 (13.0)	.605 (15.4)
5	14	4.489 (114.0)	1.562 (39.7)	.531 (13.5)	.625 (15.9)
6	14	4.177 (106.1)	1.375 (34.9)	.436 (11.1)	.530 (13.5)
7	14	4.177 (106.1)	1.375 (34.9)	.311 (7.9)	.405 (10.3)
8	18	4.584 (116.4)	1.688 (42.9)	.715 (18.2)	.828 (21.0)
9	20	4.647 (118.0)	1.812 (46.0)	.637 (16.2)	.750 (19.1)
10	20	4.896 (124.4)	2.125 (54.0)	.875 (22.2)	1.000 (25.4)
11	20	4.647 (118.0)	1.812 (46.0)	.787 (20.0)	.900 (22.9)
12	20	4.896 (124.4)	2.125 (54.0)	.930 (23.6)	1.055 (26.8)
13	22	4.896 (124.4)	2.125 (54.0)	.875 (22.2)	1.000 (25.4)
14	22	4.896 (124.4)	2.125 (54.0)	.984 (25.0)	1.109 (28.2)
15	24	4.959 (126.0)	2.469 (62.7)	1.055 (26.8)	1.180 (30.0)
16	24	4.959 (126.0)	2.469 (62.7)	1.185 (30.1)	1.310 (33.3)
17	24	4.959 (126.0)	2.469 (62.7)	1.105 (28.1)	1.230 (31.2)
18	24	4.959 (126.0)	2.625 (66.7)	1.250 (31.8)	1.375 (34.9)
19	28	5.021 (127.5)	2.625 (66.7)	1.320 (33.5)	1.445 (36.7)
20	28	5.021 (127.5)	2.625 (66.7)	1.406 (35.7)	1.531 (38.9)
21	28	5.021 (127.5)	2.625 (66.7)	1.250 (31.8)	1.375 (34.9)
22	32	5.083 (129.1)	2.953 (75.0)	1.531 (38.9)	1.656 (42.1)
23	32	5.385 (136.8)	3.171 (80.5)	1.700 (43.2)	1.828 (46.4)
24	32	5.083 (129.1)	2.953 (75.0)	1.437 (36.5)	1.562 (39.7)
25	32	5.385 (136.8)	3.171 (80.5)	1.605 (40.8)	1.730 (43.9)
26	36	5.354 (136.0)	3.171 (80.5)	1.775 (45.1)	1.900 (48.3)
27	36	5.354 (136.0)	3.171 (80.5)	1.605 (40.8)	1.730 (43.9)
28	36	5.354 (136.0)	3.171 (80.5)	1.700 (43.2)	1.825 (46.4)
29	36	5.354 (136.0)	3.171 (80.5)	1.859 (47.2)	1.984 (50.4)
30	36	5.385 (136.8)	3.375 (85.7)	1.917 (48.7)	2.062 (52.4)
31	40	5.682 (144.3)	3.625 (92.1)	2.230 (56.6)	2.375 (60.3)
32	40	5.682 (144.3)	3.500 (88.9)	2.105 (53.5)	2.250 (57.2)
33	40	5.620 (142.7)	3.375 (85.7)	2.000 (50.8)	2.145 (54.5)
34	40	5.620 (142.7)	3.375 (85.7)	1.917 (48.7)	2.062 (52.4)
35	44	6.471 (164.4)	3.531 (89.7)	2.183 (55.4)	2.328 (59.1)

Dimensions in inches (millimeters) and are subject to change without notice.

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