



AS85049/5 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 |
| 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 | 3.182 (80.8) | .938 (23.8) | .156 (4.0) | .250 (6.4) |
| 2 | 18 | 3.901 (99.1) | 1.062 (27.0) | .281 (7.1) | .375 (9.5) |
| 3 | 18 | 3.932 (99.9) | 1.125 (28.6) | .281 (7.1) | .375 (9.5) |
| 4 | 18 | 3.901 (99.1) | 1.062 (27.0) | .188 (4.8) | .281 (7.1) |
| 5 | 18 | 4.177 (106.1) | 1.375 (34.9) | .511 (13.0) | .605 (15.4) |
| 6 | 18 | 4.177 (106.1) | 1.375 (34.9) | .436 (11.1) | .530 (13.5) |
| 7 | 20 | 4.489 (114.0) | 1.562 (39.7) | .605 (15.4) | .699 (17.8) |
| 8 | 20 | 4.489 (114.0) | 1.562 (39.7) | .361 (9.2) | .455 (11.6) |
| 9 | 20 | 4.306 (109.4) | 1.375 (34.9) | .511 (13.0) | .605 (15.4) |
| 10 | 22 | 4.584 (116.4) | 1.688 (42.9) | .449 (11.4) | .562 (14.3) |
| 11 | 22 | 4.306 (109.4) | 1.375 (34.9) | .311 (7.9) | .405 (10.3) |
| 12 | 22 | 4.306 (109.4) | 1.375 (34.9) | .715 (18.2) | .828 (21.0) |
| 13 | 24 | 4.647 (118.0) | 1.812 (46.0) | .787 (20.0) | .900 (22.9) |
| 14 | 24 | 4.647 (118.0) | 1.812 (46.0) | .517 (13.1) | .630 (16.0) |
| 15 | 24 | 4.647 (118.0) | 1.812 (46.0) | .637 (16.2) | .750 (19.1) |
| 16 | 24 | 4.647 (118.0) | 1.812 (46.0) | .857 (21.8) | .970 (24.6) |
| 17 | 24 | 4.542 (115.4) | 1.688 (42.9) | .715 (18.2) | .828 (21.0) |
| 18 | 24 | 4.647 (118.0) | 1.812 (46.0) | .692 (17.6) | .805 (20.4) |
| 19 | 28 | 4.896 (124.4) | 2.125 (54.0) | .755 (19.2) | .880 (22.4) |
| 20 | 28 | 4.896 (124.4) | 2.125 (54.0) | .984 (25.0) | 1.109 (28.2) |
| 21 | 28 | 4.647 (118.0) | 1.812 (46.0) | .637 (16.2) | .750 (19.1) |
| 22 | 28 | 4.229 (107.4) | 1.125 (28.6) | .281 (7.1) | .375 (9.5) |
| 23 | 28 | 4.647 (118.0) | 1.812 (46.0) | .857 (21.8) | .970 (24.6) |
| 24 | 28 | 4.896 (124.4) | 2.125 (54.0) | .875 (22.2) | 1.000 (25.4) |
| 25 | 28 | 4.431 (112.5) | 1.375 (34.9) | .436 (11.1) | .530 (13.5) |
| 26 | 28 | 4.647 (118.0) | 1.812 (46.0) | .567 (14.4) | .680 (17.3) |
| 27 | 32 | 4.896 (124.4) | 2.125 (54.0) | .930 (23.6) | 1.055 (26.8) |
| 28 | 32 | 4.959 (126.0) | 2.469 (62.7) | 1.105 (28.1) | 1.230 (31.2) |
| 29 | 32 | 4.647 (118.0) | 1.812 (46.0) | .637 (16.2) | .750 (19.1) |
| 30 | 32 | 4.896 (124.4) | 2.125 (54.0) | .755 (19.2) | .880 (22.4) |
| 31 | 32 | 4.896 (124.4) | 2.125 (54.0) | .984 (25.0) | 1.109 (28.2) |
| 32 | 32 | 4.647 (118.0) | 1.812 (46.0) | .857 (21.8) | .970 (24.6) |
| 33 | 32 | 4.276 (108.6) | 1.125 (28.6) | .281 (7.1) | .375 (9.5) |
| 34 | 32 | 4.431 (112.5) | 1.375 (34.9) | .436 (11.1) | .530 (13.5) |
| 35 | 32 | 4.959 (126.0) | 2.469 (62.7) | 1.005 (25.5) | 1.130 (28.7) |
| 36 | 36 | 4.959 (126.0) | 2.469 (62.7) | 1.185 (30.1) | 1.310 (33.3) |
| 37 | 36 | 4.896 (124.4) | 2.125 (54.0) | .984 (25.0) | 1.109 (28.2) |
| 38 | 36 | 5.021 (127.5) | 2.625 (66.7) | 1.250 (31.8) | 1.375 (34.9) |
| 39 | 36 | 4.959 (126.0) | 2.469 (62.7) | 1.055 (26.8) | 1.180 (30.0) |
| 40 | 36 | 5.021 (127.5) | 2.625 (66.7) | 1.320 (33.5) | 1.445 (36.7) |
| 41 | 36 | 4.651 (118.1) | 1.812 (46.0) | .857 (21.8) | .970 (24.6) |
| 42 | 36 | 4.959 (126.0) | 2.469 (62.7) | 1.105 (28.1) | 1.230 (31.2) |
| 43 | 40 | 6.354 (161.4) | 3.171 (80.5) | 1.815 (46.1) | 1.940 (49.3) |
| 44 | 40 | 6.354 (161.4) | 3.171 (80.5) | 1.700 (43.2) | 1.825 (46.4) |
| 45 | 40 | 6.354 (161.4) | 3.171 (80.5) | 1.605 (40.8) | 1.730 (43.9) |
| 46 | 40 | 6.057 (153.8) | 2.953 (75.0) | 1.531 (38.9) | 1.656 (42.1) |
| 47 | 44 | 6.345 (161.2) | 3.375 (85.7) | 1.867 (47.4) | 2.000 (50.8) |
| 48 | 44 | 5.266 (133.8) | 3.171 (80.5) | 1.775 (45.1) | 1.900 (48.3) |

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