## BCR2 - 009 N

1 2 3

1 **BASIC PART NUMBER**
- **BCR2** Straight EMI/RFI env. backshell

2 **DASH NO.**
- See Backshell Dimensions table below

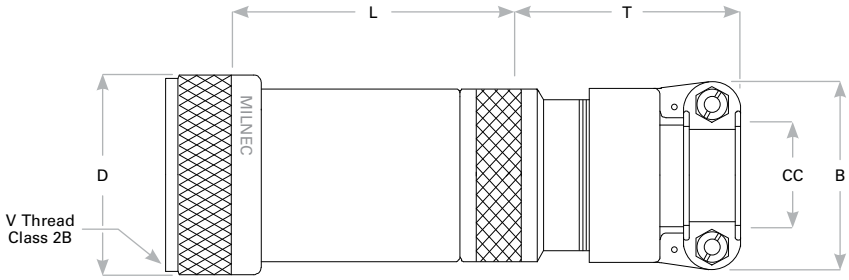
3 **MATERIAL & FINISH**
- **N** Aluminum, electroless nickel
- **W** Aluminum, olive drab cadmium

**Note:** See part builder (p. D-13) for additional kit options.

### Ultimate environmental & EMI/RFI protection

These backshells provide strain relief from cable tension, environmental sealing rated to IP67, and feature 360° shield termination hardware. They provide complete EMI/RFI and environmental protection for all mission-critical designs.






## Backshell Dimensions

| Dash No. | Shell Size | V Thread Class 2B | T | D | B | L | CC Cable Clearance | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Min | Max |
| 005 | 8 | .500-20 UNF | 1.544 (39.2) | .617 (15.7) | .957 (24.3) | 2.125 (54.0) | .125 (3.2) | .250 (6.4) |
| 006 | 8 | .500-20 UNF | 1.544 (39.2) | .617 (15.7) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .250 (6.4) |
| 007 | 8 | .500-20 UNF | 1.544 (39.2) | .617 (15.7) | 1.145 (29.1) | 2.875 (73.0) | .250 (6.4) | .437 (11.1) |
| 008 | 8 | .500-20 UNF | 1.544 (39.2) | .617 (15.7) | 1.145 (29.1) | 3.875 (98.4) | .250 (6.4) | .437 (11.1) |
| 009 | 10 | .625-24 UNEF | 1.544 (39.2) | .730 (18.5) | .957 (24.3) | 2.125 (54.0) | .125 (3.2) | .312 (7.9) |
| 010 | 10 | .625-24 UNEF | 1.544 (39.2) | .730 (18.5) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .312 (7.9) |
| 136 | 10 | .625-24 UNEF | 1.544 (39.2) | .730 (18.5) | 1.145 (29.1) | 2.125 (54.0) | .250 (6.4) | .375 (9.5) |
| 137 | 10 | .625-24 UNEF | 1.544 (39.2) | .730 (18.5) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .375 (9.5) |
| 011 | 10 | .625-24 UNEF | 1.544 (39.2) | .730 (18.5) | 1.145 (29.1) | 2.875 (73.0) | .250 (6.4) | .437 (11.1) |
| 012 | 10 | .625-24 UNEF | 1.544 (39.2) | .730 (18.5) | 1.145 (29.1) | 3.875 (98.4) | .250 (6.4) | .437 (11.1) |
| 114 | 12 | .750-20 UNEF | 1.544 (39.2) | .860 (21.8) | .957 (24.3) | 2.125 (54.0) | .125 (3.2) | .312 (7.9) |

Dimensions are in inches (mm).

(Continued on next page)

Rev. 1806

## Backshell Dimensions (Continued from previous page)

| Dash No. | Shell Size | V Thread Class 2B | T | D | B | L | CC Cable Clearance | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Min | Max |
| 115 | 12 | .750-20 UNEF | 1.544 (39.2) | .860 (21.8) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .312 (7.9) |
| 013 | 12 | .750-20 UNEF | 1.544 (39.2) | .860 (21.8) | 1.145 (29.1) | 2.125 (54.0) | .250 (6.4) | .437 (11.1) |
| 014 | 12 | .750-20 UNEF | 1.544 (39.2) | .860 (21.8) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .437 (11.1) |
| 138 | 12 | .750-20 UNEF | 1.844 (46.8) | .860 (21.8) | 1.332 (33.8) | 2.125 (54.0) | .350 (8.9) | .500 (12.7) |
| 139 | 12 | .750-20 UNEF | 1.844 (46.8) | .860 (21.8) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .500 (12.7) |
| 111 | 12 | .750-20 UNEF | 1.844 (46.8) | .860 (21.8) | 1.332 (33.8) | 2.125 (54.0) | .350 (8.9) | .500 (12.7) |
| 015 | 12 | .750-20 UNEF | 1.844 (46.8) | .860 (21.8) | 1.332 (33.8) | 2.875 (73.0) | .350 (8.9) | .625 (15.9) |
| 016 | 12 | .750-20 UNEF | 1.844 (46.8) | .860 (21.8) | 1.332 (33.8) | 3.875 (98.4) | .350 (8.9) | .625 (15.9) |
| 150 | 14 | .875-20 UNEF | 1.544 (39.2) | .980 (24.9) | .957 (24.3) | 2.125 (54.0) | .125 (3.2) | .312 (7.9) |
| 151 | 14 | .875-20 UNEF | 1.544 (39.2) | .980 (24.9) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .312 (7.9) |
| 116 | 14 | .875-20 UNEF | 1.544 (39.2) | .980 (24.9) | 1.145 (29.1) | 2.125 (54.0) | .250 (6.4) | .437 (11.1) |
| 117 | 14 | .875-20 UNEF | 1.544 (39.2) | .980 (24.9) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .437 (11.1) |
| 017 | 14 | .875-20 UNEF | 1.844 (46.8) | .980 (24.9) | 1.332 (33.8) | 2.125 (54.0) | .350 (8.9) | .575 (14.6) |
| 018 | 14 | .875-20 UNEF | 1.844 (46.8) | .980 (24.9) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .575 (14.6) |
| 019 | 14 | .875-20 UNEF | 1.916 (48.7) | .980 (24.9) | 1.551 (39.4) | 2.875 (73.0) | .500 (12.7) | .750 (19.1) |
| 020 | 14 | .875-20 UNEF | 1.916 (48.7) | .980 (24.9) | 1.551 (39.4) | 3.875 (98.4) | .500 (12.7) | .750 (19.1) |
| 152 | 16 | 1.000-20 UNEF | 1.544 (39.2) | 1.110 (28.2) | .957 (24.3) | 2.125 (54.0) | .125 (3.2) | .312 (7.9) |
| 153 | 16 | 1.000-20 UNEF | 1.544 (39.2) | 1.110 (28.2) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .312 (7.9) |
| 112 | 16 | 1.000-20 UNEF | 1.544 (39.2) | 1.110 (28.2) | 1.145 (29.1) | 2.125 (54.0) | .250 (6.4) | .437 (11.1) |
| 113 | 16 | 1.000-20 UNEF | 1.544 (39.2) | 1.110 (28.2) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .437 (11.1) |
| 118 | 16 | 1.000-20 UNEF | 1.844 (46.8) | 1.110 (28.2) | 1.332 (33.8) | 2.125 (54.0) | .350 (8.9) | .625 (15.9) |
| 119 | 16 | 1.000-20 UNEF | 1.844 (46.8) | 1.110 (28.2) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .625 (15.9) |
| 021 | 16 | 1.000-20 UNEF | 1.916 (48.7) | 1.110 (28.2) | 1.551 (39.4) | 2.125 (54.0) | .500 (12.7) | .700 (17.8) |
| 022 | 16 | 1.000-20 UNEF | 1.916 (48.7) | 1.110 (28.2) | 1.551 (39.4) | 3.125 (79.4) | .500 (12.7) | .700 (17.8) |
| 023 | 16 | 1.000-20 UNEF | 2.000 (50.8) | 1.110 (28.2) | 1.770 (45.0) | 2.875 (73.0) | .625 (15.9) | .937 (23.8) |
| 024 | 16 | 1.000-20 UNEF | 2.000 (50.8) | 1.110 (28.2) | 1.770 (45.0) | 3.875 (98.4) | .625 (15.9) | .937 (23.8) |
| 120 | 18 | 1.062-18 UNEF | 1.544 (39.2) | 1.220 (31.0) | .957 (24.3) | 2.125 (54.0) | .125 (3.2) | .312 (7.9) |
| 121 | 18 | 1.062-18 UNEF | 1.544 (39.2) | 1.220 (31.0) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .312 (7.9) |
| 122 | 18 | 1.062-18 UNEF | 1.544 (39.2) | 1.220 (31.0) | 1.145 (29.1) | 2.125 (54.0) | .250 (6.4) | .437 (11.1) |
| 123 | 18 | 1.062-18 UNEF | 1.544 (39.2) | 1.220 (31.0) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .437 (11.1) |
| 025 | 18 | 1.062-18 UNEF | 1.844 (46.8) | 1.220 (31.0) | 1.332 (33.8) | 2.125 (54.0) | .350 (8.9) | .625 (15.9) |
| 026 | 18 | 1.062-18 UNEF | 1.844 (46.8) | 1.220 (31.0) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .625 (15.9) |
| 027 | 18 | 1.062-18 UNEF | 1.916 (48.7) | 1.220 (31.0) | 1.551 (39.4) | 2.125 (54.0) | .500 (12.7) | .750 (19.1) |
| 028 | 18 | 1.062-18 UNEF | 1.916 (48.7) | 1.220 (31.0) | 1.551 (39.4) | 3.125 (79.4) | .500 (12.7) | .750 (19.1) |
| 029 | 18 | 1.062-18 UNEF | 2.000 (50.8) | 1.220 (31.0) | 1.770 (45.0) | 2.875 (73.0) | .625 (15.9) | .937 (23.8) |
| 030 | 18 | 1.062-18 UNEF | 2.000 (50.8) | 1.220 (31.0) | 1.770 (45.0) | 3.875 (98.4) | .625 (15.9) | .937 (23.8) |
| 124 | 20 | 1.188-18 UNEF | 1.544 (39.2) | 1.340 (34.0) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .437 (11.1) |
| 125 | 20 | 1.188-18 UNEF | 1.544 (39.2) | 1.340 (34.0) | 1.145 (29.1) | 4.125 (104.8) | .250 (6.4) | .437 (11.1) |
| 031 | 20 | 1.188-18 UNEF | 1.844 (46.8) | 1.340 (34.0) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .625 (15.9) |
| 032 | 20 | 1.188-18 UNEF | 1.844 (46.8) | 1.340 (34.0) | 1.332 (33.8) | 4.125 (104.8) | .350 (8.9) | .625 (15.9) |
| 033 | 20 | 1.188-18 UNEF | 1.916 (48.7) | 1.340 (34.0) | 1.551 (39.4) | 3.125 (79.4) | .500 (12.7) | .750 (19.1) |
| 034 | 20 | 1.188-18 UNEF | 1.916 (48.7) | 1.340 (34.0) | 1.551 (39.4) | 4.125 (104.8) | .500 (12.7) | .750 (19.1) |
| 140 | 20 | 1.188-18 UNEF | 2.000 (50.8) | 1.340 (34.0) | 1.770 (45.0) | 3.125 (79.4) | .625 (15.9) | .904 (23.0) |
| 141 | 20 | 1.188-18 UNEF | 2.000 (50.8) | 1.340 (34.0) | 1.770 (45.0) | 4.125 (104.8) | .625 (15.9) | .904 (23.0) |
| 035 | 20 | 1.188-18 UNEF | 2.000 (50.8) | 1.340 (34.0) | 1.770 (45.0) | 3.875 (98.4) | .625 (15.9) | .937 (23.8) |
| 036 | 20 | 1.188-18 UNEF | 2.000 (50.8) | 1.340 (34.0) | 1.770 (45.0) | 4.875 (123.8) | .625 (15.9) | .937 (23.8) |
| 037 | 20 | 1.188-18 UNEF | 2.230 (56.6) | 1.340 (34.0) | 2.113 (53.7) | 3.875 (98.4) | .875 (22.2) | 1.250 (31.8) |
| 038 | 20 | 1.188-18 UNEF | 2.230 (56.6) | 1.340 (34.0) | 2.113 (53.7) | 4.875 (123.8) | .875 (22.2) | 1.250 (31.8) |

Dimensions are in inches (mm).

(Continued on next page)

## Backshell Dimensions (Continued from previous page)

| Dash No. | Shell Size | V Thread Class 2B | T | D | B | L | CC Cable Clearance | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Min | Max |
| **126** | 22 | 1.313-18 UNEF | 1.544 (39.2) | 1.470 (37.3) | .957 (24.3) | 3.125 (79.4) | .125 (3.2) | .312 (7.9) |
| **127** | 22 | 1.313-18 UNEF | 1.544 (39.2) | 1.470 (37.3) | .957 (24.3) | 4.125 (104.8) | .125 (3.2) | .312 (7.9) |
| **128** | 22 | 1.313-18 UNEF | 1.544 (39.2) | 1.470 (37.3) | 1.145 (29.1) | 3.125 (79.4) | .250 (6.4) | .437 (11.1) |
| **129** | 22 | 1.313-18 UNEF | 1.544 (39.2) | 1.470 (37.3) | 1.145 (29.1) | 4.125 (104.8) | .250 (6.4) | .437 (11.1) |
| **039** | 22 | 1.313-18 UNEF | 1.844 (46.8) | 1.470 (37.3) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .625 (15.9) |
| **040** | 22 | 1.313-18 UNEF | 1.844 (46.8) | 1.470 (37.3) | 1.332 (33.8) | 4.125 (104.8) | .350 (8.9) | .625 (15.9) |
| **041** | 22 | 1.313-18 UNEF | 1.916 (48.7) | 1.470 (37.3) | 1.551 (39.4) | 3.125 (79.4) | .500 (12.7) | .750 (19.1) |
| **042** | 22 | 1.313-18 UNEF | 1.916 (48.7) | 1.470 (37.3) | 1.551 (39.4) | 4.125 (104.8) | .500 (12.7) | .750 (19.1) |
| **043** | 22 | 1.313-18 UNEF | 2.000 (50.8) | 1.470 (37.3) | 1.770 (45.0) | 3.125 (79.4) | .625 (15.9) | .937 (23.8) |
| **044** | 22 | 1.313-18 UNEF | 2.000 (50.8) | 1.470 (37.3) | 1.770 (45.0) | 4.125 (104.8) | .625 (15.9) | .937 (23.8) |
| **142** | 22 | 1.313-18 UNEF | 2.230 (56.6) | 1.470 (37.3) | 2.113 (53.7) | 3.125 (79.4) | .875 (22.2) | 1.029 (26.1) |
| **143** | 22 | 1.313-18 UNEF | 2.230 (56.6) | 1.470 (37.3) | 2.113 (53.7) | 4.125 (104.8) | .875 (22.2) | 1.029 (26.1) |
| **045** | 22 | 1.313-18 UNEF | 2.230 (56.6) | 1.470 (37.3) | 2.113 (53.7) | 3.875 (98.4) | .875 (22.2) | 1.250 (31.8) |
| **046** | 22 | 1.313-18 UNEF | 2.230 (56.6) | 1.470 (37.3) | 2.113 (53.7) | 4.875 (123.8) | .875 (22.2) | 1.250 (31.8) |
| **130** | 24 | 1.438-18 UNEF | 1.844 (46.8) | 1.590 (40.4) | 1.332 (33.8) | 3.125 (79.4) | .350 (8.9) | .625 (15.9) |
| **131** | 24 | 1.438-18 UNEF | 1.844 (46.8) | 1.590 (40.4) | 1.332 (33.8) | 4.125 (104.8) | .350 (8.9) | .625 (15.9) |
| **047** | 24 | 1.438-18 UNEF | 1.916 (48.7) | 1.590 (40.4) | 1.551 (39.4) | 3.125 (79.4) | .500 (12.7) | .750 (19.1) |
| **048** | 24 | 1.438-18 UNEF | 1.916 (48.7) | 1.590 (40.4) | 1.551 (39.4) | 4.125 (104.8) | .500 (12.7) | .750 (19.1) |
| **049** | 24 | 1.438-18 UNEF | 2.000 (50.8) | 1.590 (40.4) | 1.770 (45.0) | 3.125 (79.4) | .625 (15.9) | .812 (20.6) |
| **050** | 24 | 1.438-18 UNEF | 2.000 (50.8) | 1.590 (40.4) | 1.770 (45.0) | 4.125 (104.8) | .625 (15.9) | .812 (20.6) |
| **051** | 24 | 1.438-18 UNEF | 2.000 (50.8) | 1.590 (40.4) | 1.770 (45.0) | 3.125 (79.4) | .625 (15.9) | .938 (23.8) |
| **052** | 24 | 1.438-18 UNEF | 2.000 (50.8) | 1.590 (40.4) | 1.770 (45.0) | 4.125 (104.8) | .625 (15.9) | .938 (23.8) |
| **144** | 24 | 1.438-18 UNEF | 2.230 (56.6) | 1.590 (40.4) | 2.113 (53.7) | 3.125 (79.4) | .875 (22.2) | 1.144 (29.1) |
| **145** | 24 | 1.438-18 UNEF | 2.230 (56.6) | 1.590 (40.4) | 2.113 (53.7) | 4.125 (104.8) | .875 (22.2) | 1.144 (29.1) |
| **053** | 24 | 1.438-18 UNEF | 2.230 (56.6) | 1.590 (40.4) | 2.113 (53.7) | 3.875 (98.4) | .875 (22.2) | 1.250 (31.8) |
| **054** | 24 | 1.438-18 UNEF | 2.230 (56.6) | 1.590 (40.4) | 2.113 (53.7) | 4.875 (123.8) | .875 (22.2) | 1.250 (31.8) |

Dimensions are in inches (mm).