Straight Environmental Backshell

TF Series • MIL-DTL-5015 Crimp Type Connectors



TFE2 - 009 N

1 2 3

1 **BASIC PART NUMBER**
- **TFE2** Straight environmental backshell

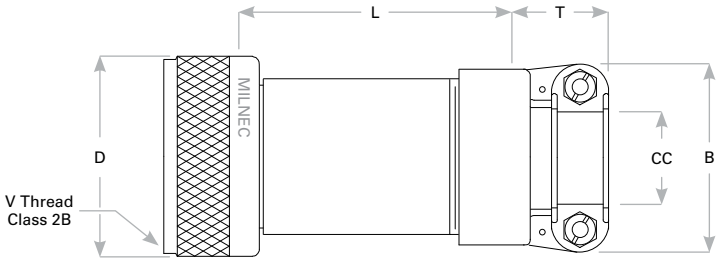
2 **DASH NO.**
- See Backshell Dimensions table below

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

Note: See part builder (p. X-11) for additional kit options.

TFE2 Compatibility

Compatible Brands	Connectors
MIL-DTL-5015 Crimp	MS3400, MS3401, MS3404, MS3406, MS3496



Backshell Dimensions

Dash No.	Shell Size	V Thread Class 2B	T	D	B	L	CC Cable Clearnace	
							Min	Max
009	10	.625-24 UNEF	1.027 (26.1)	.734 (18.6)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
010	10	.625-24 UNEF	1.027 (26.1)	.734 (18.6)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
136	10	.625-24 UNEF	1.027 (26.1)	.734 (18.6)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.375 (9.5)
137	10	.625-24 UNEF	1.027 (26.1)	.734 (18.6)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.375 (9.5)
011	10	.625-24 UNEF	1.027 (26.1)	.734 (18.6)	1.145 (29.1)	2.875 (73.0)	.250 (6.4)	.437 (11.1)
012	10	.625-24 UNEF	1.027 (26.1)	.734 (18.6)	1.145 (29.1)	3.875 (98.4)	.250 (6.4)	.437 (11.1)
114	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
115	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
013	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
014	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
111	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.500 (12.7)
139	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.500 (12.7)
015	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	1.332 (33.8)	2.875 (73.0)	.350 (8.9)	.625 (15.9)
016	12	.750-20 UNEF	1.027 (26.1)	.858 (21.8)	1.332 (33.8)	3.875 (98.4)	.350 (8.9)	.625 (15.9)
150	14	.875-20 UNEF	1.027 (26.1)	.984 (25.0)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)

Dimensions are in inches (mm).

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Backshell Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B	T	D	B	L	CC Cable Clearance	
							Min	Max
151	14	.875-20 UNEF	1.027 (26.1)	.984 (25.0)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
116	14	.875-20 UNEF	1.027 (26.1)	.984 (25.0)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
117	14	.875-20 UNEF	1.027 (26.1)	.984 (25.0)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
017	14	.875-20 UNEF	1.027 (26.1)	.984 (25.0)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.575 (14.6)
018	14	.875-20 UNEF	1.027 (26.1)	.984 (25.0)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.575 (14.6)
019	14	.875-20 UNEF	1.059 (26.9)	.984 (25.0)	1.551 (39.4)	2.875 (73.0)	.500 (12.7)	.750 (19.1)
020	14	.875-20 UNEF	1.059 (26.9)	.984 (25.0)	1.551 (39.4)	3.875 (98.4)	.500 (12.7)	.750 (19.1)
152	16	1.000-20 UNEF	1.027 (26.1)	1.112 (28.2)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
153	16	1.000-20 UNEF	1.027 (26.1)	1.112 (28.2)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
112	16	1.000-20 UNEF	1.027 (26.1)	1.112 (28.2)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
113	16	1.000-20 UNEF	1.027 (26.1)	1.112 (28.2)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
118	16	1.000-20 UNEF	1.027 (26.1)	1.112 (28.2)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.625 (15.9)
119	16	1.000-20 UNEF	1.027 (26.1)	1.112 (28.2)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
021	16	1.000-20 UNEF	1.059 (26.9)	1.112 (28.2)	1.551 (39.4)	2.125 (54.0)	.500 (12.7)	.700 (17.8)
022	16	1.000-20 UNEF	1.059 (26.9)	1.112 (28.2)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.700 (17.8)
023	16	1.000-20 UNEF	1.156 (29.4)	1.112 (28.2)	1.770 (45.0)	2.875 (73.0)	.625 (15.9)	.937 (23.8)
024	16	1.000-20 UNEF	1.156 (29.4)	1.112 (28.2)	1.770 (45.0)	3.875 (98.4)	.625 (15.9)	.937 (23.8)
120	18	1.062-18 UNEF	1.027 (26.1)	1.218 (30.9)	.957 (24.3)	2.125 (54.0)	.125 (3.2)	.312 (7.9)
121	18	1.062-18 UNEF	1.027 (26.1)	1.218 (30.9)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
122	18	1.062-18 UNEF	1.027 (26.1)	1.218 (30.9)	1.145 (29.1)	2.125 (54.0)	.250 (6.4)	.437 (11.1)
123	18	1.062-18 UNEF	1.027 (26.1)	1.218 (30.9)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
025	18	1.062-18 UNEF	1.027 (26.1)	1.218 (30.9)	1.332 (33.8)	2.125 (54.0)	.350 (8.9)	.625 (15.9)
026	18	1.062-18 UNEF	1.027 (26.1)	1.218 (30.9)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
027	18	1.062-18 UNEF	1.059 (26.9)	1.218 (30.9)	1.551 (39.4)	2.125 (54.0)	.500 (12.7)	.750 (19.1)
028	18	1.062-18 UNEF	1.059 (26.9)	1.218 (30.9)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
029	18	1.062-18 UNEF	1.156 (29.4)	1.218 (30.9)	1.770 (45.0)	2.875 (73.0)	.625 (15.9)	.937 (23.8)
030	18	1.062-18 UNEF	1.156 (29.4)	1.218 (30.9)	1.770 (45.0)	3.875 (98.4)	.625 (15.9)	.937 (23.8)
124	20	1.188-18 UNEF	1.027 (26.1)	1.345 (34.2)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
125	20	1.188-18 UNEF	1.027 (26.1)	1.345 (34.2)	1.145 (29.1)	4.125 (104.8)	.250 (6.4)	.437 (11.1)
031	20	1.188-18 UNEF	1.027 (26.1)	1.345 (34.2)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
032	20	1.188-18 UNEF	1.027 (26.1)	1.345 (34.2)	1.332 (33.8)	4.125 (104.8)	.350 (8.9)	.625 (15.9)
033	20	1.188-18 UNEF	1.059 (26.9)	1.345 (34.2)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
034	20	1.188-18 UNEF	1.059 (26.9)	1.345 (34.2)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
140	20	1.188-18 UNEF	1.156 (29.4)	1.345 (34.2)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.904 (23.0)
141	20	1.188-18 UNEF	1.156 (29.4)	1.345 (34.2)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.904 (23.0)
035	20	1.188-18 UNEF	1.156 (29.4)	1.345 (34.2)	1.770 (45.0)	3.875 (98.4)	.625 (15.9)	.937 (23.8)
036	20	1.188-18 UNEF	1.156 (29.4)	1.345 (34.2)	1.770 (45.0)	4.875 (123.8)	.625 (15.9)	.937 (23.8)
037	20	1.188-18 UNEF	1.375 (34.9)	1.345 (34.2)	2.113 (53.7)	3.875 (98.4)	.875 (22.2)	1.250 (31.8)
038	20	1.188-18 UNEF	1.375 (34.9)	1.345 (34.2)	2.113 (53.7)	4.875 (123.8)	.875 (22.2)	1.250 (31.8)
126	22	1.313-18 UNEF	1.027 (26.1)	1.468 (37.3)	.957 (24.3)	3.125 (79.4)	.125 (3.2)	.312 (7.9)
127	22	1.313-18 UNEF	1.027 (26.1)	1.468 (37.3)	.957 (24.3)	4.125 (104.8)	.125 (3.2)	.312 (7.9)
128	22	1.313-18 UNEF	1.027 (26.1)	1.468 (37.3)	1.145 (29.1)	3.125 (79.4)	.250 (6.4)	.437 (11.1)
129	22	1.313-18 UNEF	1.027 (26.1)	1.468 (37.3)	1.145 (29.1)	4.125 (104.8)	.250 (6.4)	.437 (11.1)
039	22	1.313-18 UNEF	1.027 (26.1)	1.468 (37.3)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
040	22	1.313-18 UNEF	1.027 (26.1)	1.468 (37.3)	1.332 (33.8)	4.125 (104.8)	.350 (8.9)	.625 (15.9)
041	22	1.313-18 UNEF	1.059 (26.9)	1.468 (37.3)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
042	22	1.313-18 UNEF	1.059 (26.9)	1.468 (37.3)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
043	22	1.313-18 UNEF	1.156 (29.4)	1.468 (37.3)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)

Dimensions are in inches (mm).

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Rev. 1718

Backshell Dimensions (Continued from previous page)

Dash No.	Shell Size	V Thread Class 2B	T	D	B	L	CC Cable Clearance	
							Min	Max
044	22	1.313-18 UNEF	1.156 (29.4)	1.468 (37.3)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
142	22	1.313-18 UNEF	1.375 (34.9)	1.468 (37.3)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.029 (26.1)
143	22	1.313-18 UNEF	1.375 (34.9)	1.468 (37.3)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.029 (26.1)
045	22	1.313-18 UNEF	1.375 (34.9)	1.468 (37.3)	2.113 (53.7)	3.875 (98.4)	.875 (22.2)	1.250 (31.8)
046	22	1.313-18 UNEF	1.375 (34.9)	1.468 (37.3)	2.113 (53.7)	4.875 (123.8)	.875 (22.2)	1.250 (31.8)
130	24	1.438-18 UNEF	1.027 (26.1)	1.593 (40.5)	1.332 (33.8)	3.125 (79.4)	.350 (8.9)	.625 (15.9)
131	24	1.438-18 UNEF	1.027 (26.1)	1.593 (40.5)	1.332 (33.8)	4.125 (104.8)	.350 (8.9)	.625 (15.9)
047	24	1.438-18 UNEF	1.059 (26.9)	1.593 (40.5)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
048	24	1.438-18 UNEF	1.059 (26.9)	1.593 (40.5)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
049	24	1.438-18 UNEF	1.156 (29.4)	1.593 (40.5)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.812 (20.6)
050	24	1.438-18 UNEF	1.156 (29.4)	1.593 (40.5)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.812 (20.6)
051	24	1.438-18 UNEF	1.156 (29.4)	1.593 (40.5)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)
052	24	1.438-18 UNEF	1.156 (29.4)	1.593 (40.5)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
144	24	1.438-18 UNEF	1.375 (34.9)	1.593 (40.5)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.144 (29.1)
145	24	1.438-18 UNEF	1.375 (34.9)	1.593 (40.5)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.144 (29.1)
053	24	1.438-18 UNEF	1.375 (34.9)	1.593 (40.5)	2.113 (53.7)	3.875 (98.4)	.875 (22.2)	1.250 (31.8)
054	24	1.438-18 UNEF	1.375 (34.9)	1.593 (40.5)	2.113 (53.7)	4.875 (123.8)	.875 (22.2)	1.250 (31.8)
055	28	1.750-18 UNS	1.059 (26.9)	1.969 (50.0)	1.551 (39.4)	3.125 (79.4)	.500 (12.7)	.750 (19.1)
056	28	1.750-18 UNS	1.059 (26.9)	1.969 (50.0)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
057	28	1.750-18 UNS	1.156 (29.4)	1.969 (50.0)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)
058	28	1.750-18 UNS	1.156 (29.4)	1.969 (50.0)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
059	28	1.750-18 UNS	1.375 (34.9)	1.969 (50.0)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.250 (31.8)
060	28	1.750-18 UNS	1.375 (34.9)	1.969 (50.0)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.250 (31.8)
061	28	1.750-18 UNS	1.500 (38.1)	1.969 (50.0)	2.363 (60.0)	3.125 (79.4)	1.000 (25.4)	1.375 (34.9)
062	28	1.750-18 UNS	1.500 (38.1)	1.969 (50.0)	2.363 (60.0)	4.125 (104.8)	1.000 (25.4)	1.375 (34.9)
063	32	2.000-18 UNS	1.156 (29.4)	2.219 (56.4)	1.770 (45.0)	3.125 (79.4)	.625 (15.9)	.937 (23.8)
064	32	2.000-18 UNS	1.156 (29.4)	2.219 (56.4)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
065	32	2.000-18 UNS	1.375 (34.9)	2.219 (56.4)	2.113 (53.7)	3.125 (79.4)	.875 (22.2)	1.250 (31.8)
066	32	2.000-18 UNS	1.375 (34.9)	2.219 (56.4)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.250 (31.8)
067	32	2.000-18 UNS	1.500 (38.1)	2.219 (56.4)	2.363 (60.0)	3.125 (79.4)	1.000 (25.4)	1.375 (34.9)
068	32	2.000-18 UNS	1.500 (38.1)	2.219 (56.4)	2.363 (60.0)	4.125 (104.8)	1.000 (25.4)	1.375 (34.9)
069	32	2.000-18 UNS	1.781 (45.2)	2.219 (56.4)	2.770 (70.4)	3.125 (79.4)	1.250 (31.8)	1.625 (41.3)
070	32	2.000-18 UNS	1.781 (45.2)	2.219 (56.4)	2.770 (70.4)	4.125 (104.8)	1.250 (31.8)	1.625 (41.3)
132	36	2.250-16 UN	1.059 (26.9)	2.469 (62.7)	1.551 (39.4)	4.125 (104.8)	.500 (12.7)	.750 (19.1)
133	36	2.250-16 UN	1.059 (26.9)	2.469 (62.7)	1.551 (39.4)	5.125 (130.2)	.500 (12.7)	.750 (19.1)
148	36	2.250-16 UN	1.156 (29.4)	2.469 (62.7)	1.770 (45.0)	4.125 (104.8)	.625 (15.9)	.937 (23.8)
149	36	2.250-16 UN	1.156 (29.4)	2.469 (62.7)	1.770 (45.0)	5.125 (130.2)	.625 (15.9)	.937 (23.8)
071	36	2.250-16 UN	1.375 (34.9)	2.469 (62.7)	2.113 (53.7)	4.125 (104.8)	.875 (22.2)	1.250 (31.8)
072	36	2.250-16 UN	1.375 (34.9)	2.469 (62.7)	2.113 (53.7)	5.125 (130.2)	.875 (22.2)	1.250 (31.8)
073	36	2.250-16 UN	1.500 (38.1)	2.469 (62.7)	2.363 (60.0)	4.125 (104.8)	1.000 (25.4)	1.375 (34.9)
074	36	2.250-16 UN	1.500 (38.1)	2.469 (62.7)	2.363 (60.0)	5.125 (130.2)	1.000 (25.4)	1.375 (34.9)
075	36	2.250-16 UN	1.781 (45.2)	2.469 (62.7)	2.770 (70.4)	4.125 (104.8)	1.250 (31.8)	1.625 (41.3)
076	36	2.250-16 UN	1.781 (45.2)	2.469 (62.7)	2.770 (70.4)	5.125 (130.2)	1.250 (31.8)	1.625 (41.3)
146	36	2.250-16 UN	1.830 (46.5)	2.469 (62.7)	3.020 (76.7)	4.125 (104.8)	1.437 (36.5)	1.840 (46.7)
147	36	2.250-16 UN	1.830 (46.5)	2.469 (62.7)	3.020 (76.7)	5.125 (130.2)	1.437 (36.5)	1.840 (46.7)
077	36	2.250-16 UN	1.830 (46.5)	2.469 (62.7)	3.020 (76.7)	5.000 (127.0)	1.437 (36.5)	1.875 (47.6)
078	36	2.250-16 UN	1.830 (46.5)	2.469 (62.7)	3.020 (76.7)	6.000 (152.4)	1.437 (36.5)	1.875 (47.6)

Dimensions are in inches (mm).