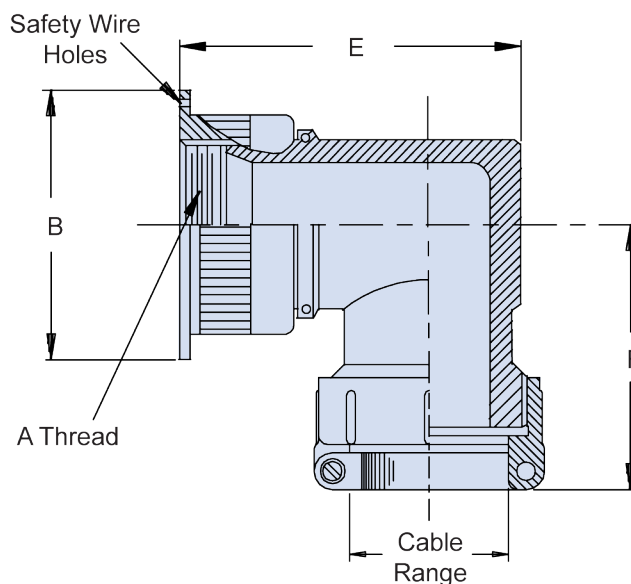
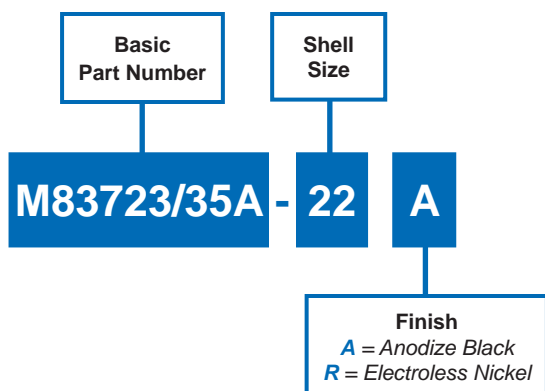


# M83723/35A

## 90° Non-Environmental Strain Relief Backshell

**CONNECTOR DESIGNATOR:**
**K** MIL-DTL-83723 Series II

**TABLE I: Shell Size, Cable Range and Dimensions**

Shell Size	A Thread Class 2B	B Dia Max	E Max	F Max	Cable Range	
					Min	Max
08	.438 - 28 UNEF	.805 (20.4)	1.187 (30.1)	1.220 (31.0)	.102 (2.6)	.235 (6.0)
10	.500 - 28 UNEF	.890 (22.6)	1.187 (30.1)	1.250 (31.8)	.102 (2.6)	.235 (6.0)
11	.562 - 24 UNEF	.975 (24.8)	1.312 (33.3)	1.280 (32.5)	.140 (3.6)	.297 (7.5)
13	.625 - 24 UNEF	1.005 (25.5)	1.312 (33.3)	1.280 (32.5)	.140 (3.6)	.297 (7.5)
12	.625 - 24 UNEF	1.005 (25.5)	1.468 (37.3)	1.280 (32.5)	.140 (3.6)	.297 (7.5)
15	.750 - 20 UNEF	1.130 (28.7)	1.437 (36.5)	1.405 (35.7)	.195 (5.0)	.422 (10.7)
14	.750 - 20 UNEF	1.130 (28.7)	1.594 (40.5)	1.405 (35.7)	.195 (5.0)	.422 (10.7)
17	.875 - 20 UNEF	1.255 (31.9)	1.531 (38.9)	1.529 (38.8)	.255 (6.5)	.547 (13.9)
16	.875 - 20 UNEF	1.255 (31.9)	1.687 (42.8)	1.529 (38.8)	.255 (6.5)	.547 (13.9)
18	1.000 - 20 UNEF	1.350 (34.3)	1.765 (44.8)	1.593 (40.5)	.285 (7.2)	.610 (15.5)
20	1.125 - 18 UNEF	1.475 (37.5)	2.000 (50.8)	1.655 (42.0)	.350 (8.9)	.735 (18.7)
22	1.250 - 18 UNEF	1.600 (40.6)	2.000 (50.8)	1.718 (43.6)	.350 (8.9)	.735 (18.7)
24	1.375 - 18 UNEF	1.725 (43.8)	2.265 (57.5)	1.894 (48.1)	.468 (11.9)	.922 (23.4)
28	1.625 - 18 UNEF	1.975 (50.2)	2.265 (57.5)	1.973 (50.1)	.468 (11.9)	.922 (23.4)
32	1.875 - 16 UN	2.225 (56.5)	2.578 (65.5)	2.187 (55.5)	.664 (16.9)	1.235 (31.4)
36	2.125 - 16 UN	2.475 (62.9)	2.815 (71.5)	2.405 (61.1)	.694 (17.6)	1.360 (34.5)
40	2.375 - 16 UN	2.750 (69.9)	5.800 (147.3)	5.100 (129.5)	.911 (23.1)	1.630 (41.4)

**APPLICATION NOTES**

- For complete dimensions see the applicable Military Specification.
- Metric dimensions (mm) are in parentheses.
- Cable Range is defined as the accommodation range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

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