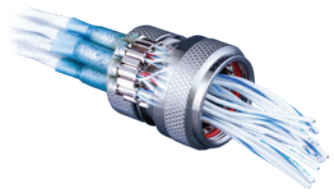
MIL-DTL-38999 Series I Type
470-013 StarShield™ EMI/RFI shield termination backshell

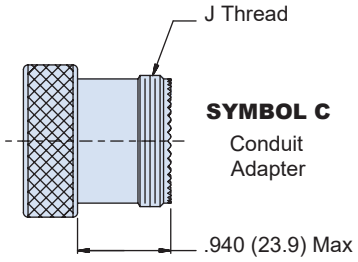


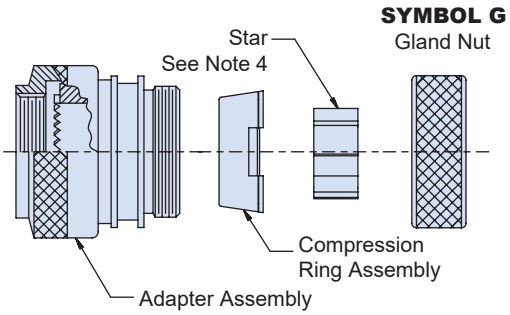
FEATURES

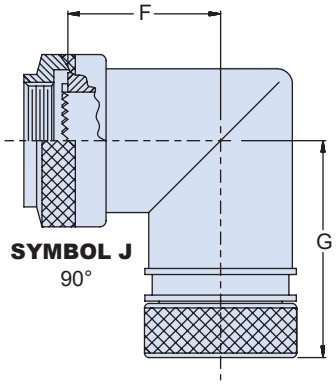
- StarShield™ backshell eliminates "standing antenna" problems common with pigtail shield termination systems.
- Utilizes familiar heat shrink termination (HST) sleeve technology.
- Tapered split-ring fits snugly into conically machined backshell or a lightweight band-terminated compression system adapter.
- Available end-fittings include compression nut, conduit adapter, or gland nut.
- Environmental sealing, self-locking coupling nuts standard.
- Optional shrink boots.

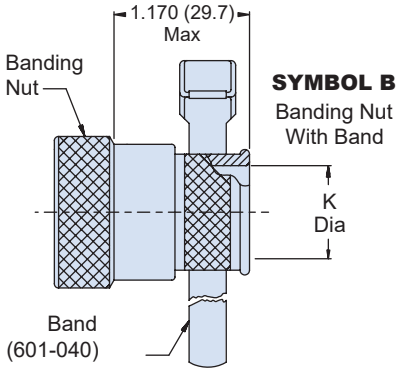
How to Order

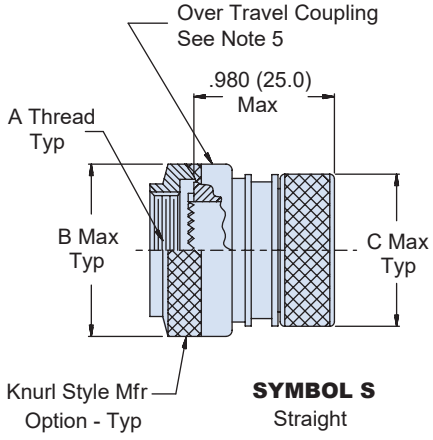
Sample Part Number	470FS103	NF	6	G	DS	T
Finish Code	See Table II					
Order Number	See Table I					
Ferrule Quantity Code	See Table I					
Rear End Options	**B** = Compression Nut with Band **C** = Conduit Adapter **G** = Gland Nut					
Drilled Star	**DS** = Drilled Star - Optional Omit if Not Required (See Note 4)					
Shrink Boot	**T** = Shrink Boot - Optional (Omit for None) (See Table III)					

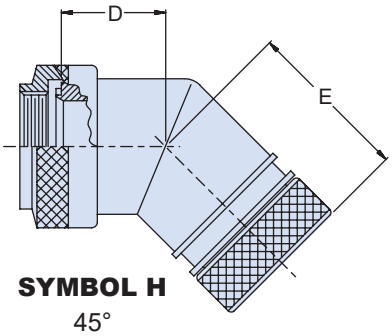












MIL-DTL-38999 Series I Type
470-013 StarShield™ EMI/RFI shield termination backshell

TABLE I: DIMENSIONS

Order No.	Connector Shell Size		A Thread Class 2 B	B Dia Max	C Dia Max	D Max
	MIL-DTL-38999 Series II	MIL-DTL-38999 Series I				
08	8	09	7/16-28 UNEF	.750 (19.0)	.690 (17.5)	.490 (12.5)
10	10	11	9/16-24 UNEF	.870 (22.0)	.850 (21.5)	.510 (13.0)
12	12	13	11/16-24 UNEF	1.000 (25.4)	.890 (22.5)	.550 (14.0)
14	14	15	13/16-20 UNEF	1.120 (30.5)	1.000 (25.4)	.570 (14.5)
16	16	17	15/16-20 UNEF	1.320 (33.5)	1.120 (28.5)	.590 (15.0)
18	18	19	1 1/16-18 UNEF	1.460 (37.0)	1.240 (31.5)	.610 (15.5)
20	20	21	1 3/16-18 UNEF	1.520 (38.5)	1.380 (35.0)	.650 (16.5)
22	22	23	1 5/16-18 UNEF	1.650 (42.0)	1.500 (38.0)	.670 (17.0)
24	24	25	1 7/16-18 UNEF	1.830 (46.5)	1.610 (41.0)	.710 (18.0)

TABLE I: DIMENSIONS (CONTINUED)

Order No.	E Max	F Max	G Max	J Thread Class 2 A	K ± .004 (.10)	Ferrule Quantity (See Note 4)	
						Std.	Opt.
08	1.000 (25.4)	.630 (16.0)	1.140 (29.0)	7/16-28 UNEF	.315 (8.00)	1	-
10	1.020 (26.0)	.690 (17.5)	1.200 (30.5)	9/16-24 UNEF	.531 (13.5)	2	-
12	1.040 (26.5)	.750 (19.0)	1.260 (32.0)	11/16-20 UNEF	.591 (15.0)	3	-
14	1.080 (27.5)	.810 (20.5)	1.320 (33.5)	13/16-24 UNEF	.709 (18.0)	5	-
16	1.100 ((28.0)	.870 (22.0)	1.380 (35.0)	15/16-20 UNEF	.827 (21.0)	6	7
18	1.120 (28.5)	.930 (23.5)	1.440 (36.5)	1 1/16-18 UNEF	.945 (24.0)	7	-
20	1.140 (29.0)	1.000 (25.4)	1.520 (38.5)	1 3/16-18 UNEF	1.063 (27.0)	9	11
22	1.180 (30.0)	1.060 (27.0)	1.570 (40.0)	1 5/16-18 UNEF	1.181 (30.0)	10	13
24	1.220 (31.0)	1.120 (28.5)	1.630 (41.5)	1 7/16-18 UNEF	1.299 (33.0)	12	17

TABLE II: MATERIAL AND FINISH OPTIONS

Code	Material; Finish Description
M	Aluminum; electroless nickel
MT	Aluminum; nickel - PTFE
NF	Aluminum; CAD/O. D. over electroless nickel
ZN	Aluminum; zinc nickel/O. D. over electroless nickel
ZR	Aluminum; zinc nickel/black over electroless nickel (RoHS)
ZRC	Aluminum; zinc nickel over electroless nickel (RoHS)
Z1	Stainless steel; passivate
ZM	Stainless steel; electroless nickel

TABLE III: SHRINK BOOT

Shell Size	Shrink Boot Part Number
09	770-001S1 04
11	770-001S1 06
13	770-001S1 06
15	770-001S1 07
17	770-001S1 07
19	770-001S1 08
21	770-001S1 08
23	770-001S1 08
25	770-001S1 09

Material/Finish	
Backshell, elbows, coupling and gland nut, compression ring and star	**Aluminum alloy or CRES/Table II**
Band	CRES/Passivate

NOTES:

1. Assembly identified with manufacturer's name, part number and date code, space permitting.
2. For effective grounding, connector with conductive finish should be used.
3. Glenair 600 Series Backshell Assembly Tools are recommended for assembly and installation.
4. Star not supplied with Order Number 09. Drilled star is available on order numbers 15-25 only. If optional ferrule quantity per Table I is selected, one split and one solid star will be supplied.
5. Over-travel coupling design provides self-seating and self-locking functionality, eliminating lock-wire requirements.
6. Ferrule kit sold separately.
   687-764 ferrule and HST device kit
   687-809 ferrule and sealing device kit
   687-748 solder ferrule
   687-841-01 HST flex device