

3. Cable-Entry Construction

This standard execution ensures a reliable and non-ageing clamping of the cable. When fitting the cable-entry nut, the V-groove silicone rubber gasket is split by a clamp and is pressed laterally against the cable jacket and the connector body. This ensures a permanent moisture- and splash-proof seal (see illustration 1).

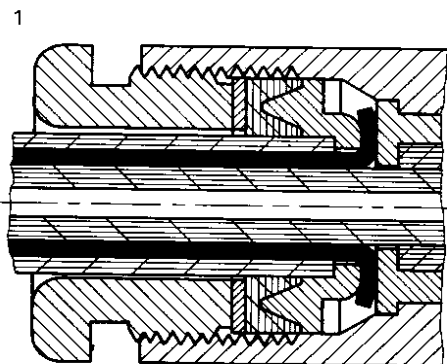
Some connector types have a cylindrical gasket. They are clearly marked in the catalog lists.

FUK/GUK Cable-Entry Constructions

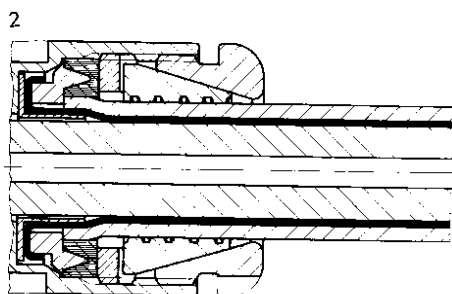
These particularly robust, tear-proof and twist-proof cable-entry constructions can be fitted to nearly all connector bodies (see illustrations 2 and 3).

The following FUK/GUK cable-entry constructions are available:

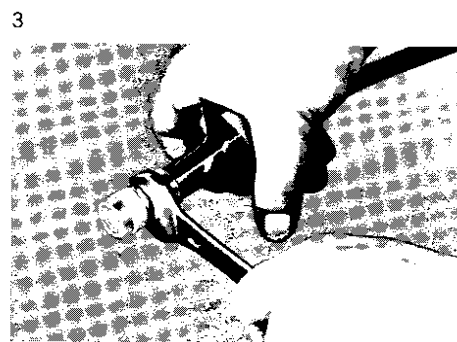
Type	FUK 0350	FUK 0358	GUK 0461	GUK 0586	GUK 07103	GUK 07108
Screen	single	double	single	double	single	double
Dia. over dielectric	.116" (2,95 mm)	.116" (2,95 mm)	.146" (3,7 mm)	.189" (4,8 mm)	.285" (7,25 mm)	.285" (7,25 mm)
O.D. of cable	.197" (5,0 mm)	.228" (5,8 mm)	.240" (6,1 mm)	.339" (8,6 mm)	.405" (10,3 mm)	.425" (10,8 mm)
Cable examples	RG-5 B/U	RG-223/U	RG-59 B/U	RG-6 A/U	RG-213/U	RG-214/U



Cable-entry construction



Cable-entry construction with FUK/GUK



Assembly of FUK/GUK

Suitable tools are available for the assembly of FUK/GUK cable-entry constructions (see 4.).

Example of ordering a plug with tear-proof cable-entry construction and captive male contact for the 75 ohms cable RG-59 B/U:
11SC-50-4-1C with GUK 0461

FK/GK Armour-Clamps

The FK/GK armour-clamps permit a neat and functional fitting of 'SC' connectors to armoured cables. The FK/GK armour-clamps can be fitted to nearly all connector bodies (see illustration 4).

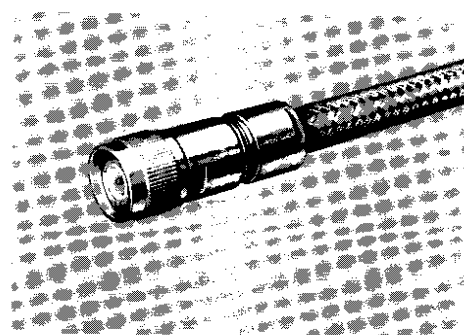
The following FK/GK armour-clamps are available:

FK 50 for armoured cable,
dia. over sheath .197" (G 03243)

FK 61 for armoured cable,
dia. over sheath .240" (G 04243)

GK 103 for armoured cable,
dia. over sheath .405" (RG-215/U)

GK 220 for armoured cable,
dia. over sheath .866" (RG-219/U)



11SC-50-7-1 with GK103 fitted to cable RG-215/U

4. Tools

		Type number
Open-ended spanner	.433"/11 mm for fitting of cable assemblies	74 Z-0-0-2
Open-ended spanner	.630"/16 mm for fitting of cable assemblies	74 Z-0-0-3
Special tool	for FUK cable entries (see illustration 3)	74 Z-0-0-4
Special tool	for GUK cable entries (see illustration 3)	74 Z-0-0-5

1. General Data

Moisture-proof, water-proof, non-corrosive.
 Metal parts silver-plated and passivated.
 Insulation: Teflon (P.T.F.E.).
 Seals: silicone rubber.
 Spring Contacts:
 Bushes: beryllium bronze.
 Outer conductors: phosphor bronze.
 Centre Contacts: loose or captive.

Impedance: 50 ohms.

Frequency Range: up to 10000 Mc/s.

Operating Voltage: up to 1.5 kV max.
 for higher voltages see series H2.

Temperature Limit: up to 480°F/250°C.

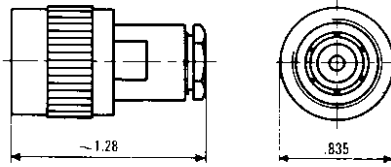
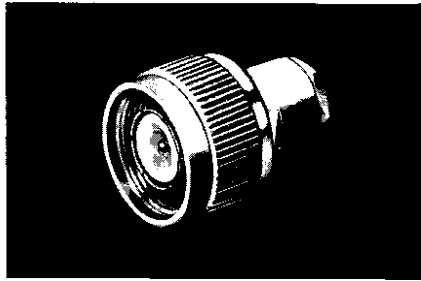
Cable-Entry Sizes: .181".... .885"
 (4,6...22,5 mm)

2. Suitable Cables

Cable types Examples	Dielectric dia. inches	Screen		Sheath max. dia. inches	Suitable types 'SC' connectors
		number	dia. inches		
RG-58 C/U RG-141 A/U-1 RG-142 A/U UR 76 G 03232 G 03233 96 IEC-50-3-1	.116 (2,95 mm)	1	.165 (4,2 mm)	.209 (5,3 mm)	...SC-50-3-...
RG-141 A/U RG-303/U	.116 (2,95 mm)	1	.142 (3,6 mm)	.181 (4,6 mm)	...SC-50-3-...
RG-223/U RG-55 A/U G 03232d G 03233d 96 IEC-50-3-5	.116 (2,95 mm)	2	.165 (4,2 mm)	.228 (5,8 mm)	...SC-50-3-...
RG-59 B/U RG-62 A/U RG-140/U UR 90 G 04233-1 96 IEC-50-4-1	.146 (3,7 mm)	1	.177 (4,5 mm)	.252 (6,4 mm)	...SC-50-4-...
RG-6 A/U RG-212/U RG-222/U RG-143 A/U	.185 (4,7 mm)	2	.244 (6,2 mm)	.339 (8,6 mm)	...SC-50-5-...
RG-11 A/U RG-213/U RG-144/U RG-165/U 96 IEC-50-7-1 96 IEC-75-7-1 RG-225/U-1 RG-63 B/U	.285 (7,25 mm)	1	.319 (8,1 mm)	.425 (10,8 mm)	...SC-50-7-...
RG-214/U RG-216/U RG-225/U 96 IEC-50-7-3 96 IEC-75-7-3	.285 (7,25 mm)	2	.342 (8,7 mm)	.445 (11,3 mm)	...SC-50-7-...
RG-217/U	.370 (9,4 mm)	1	.445 (11,3 mm)	.551 (14,0 mm)	...SC-50-9-...
RG-218/U RG-164/U 96 IEC-50-17-1 96 IEC-75-17-1	.682 (17,3 mm)	1	.782 (18,5 mm)	.885 (22,5 mm)	...SC-50-17-...

Plug 50 Ω

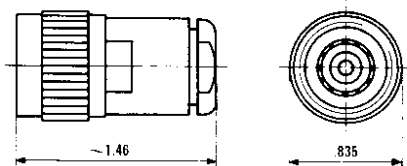
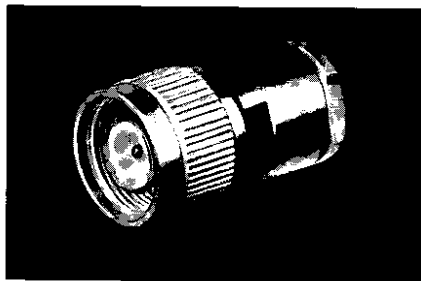
for cable dia. up to .252"



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressurized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
11SC-50-3-2C			captive		.209	.116	1	RG-58 C/U	3017	
11SC-50-3-3C			captive		.236	.116	2	RG-223/U	3017	
11SC-50-3-4C			captive		.181	.116	1	RG-141 A/U-1	3017	with cylindrical gasket
11SC-50-4-2C			captive		.252	.146	1	RG-59 B/U	3017	

Plug 50 Ω

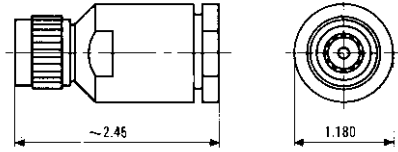
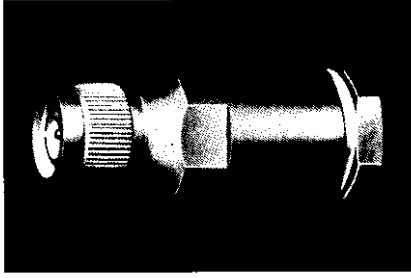
for cable dia. up to .551"



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressurized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
11SC-50-5-1			loose		.338	.189	2	RG-222/U or	3044	
11SC-50-5-2C			captive		.338	.189	2	RG-6 A/U	3045	
11SC-50-7-1			loose		.425	.285	1	RG-213/U or	3007	
11SC-50-7-2C			captive		.425	.285	1	RG-11 A/U	3008	
11SC-50-7-3			loose		.445	.285	2	RG-214/U or	3007	
11SC-50-7-4C			captive		.445	.285	2	RG-216/U	3008	
11SC-50-9-1			loose		.551	.370	1	RG-217/U	3007	with cylindrical gasket

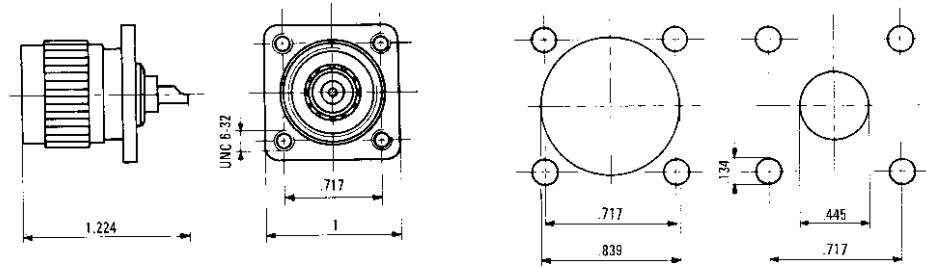
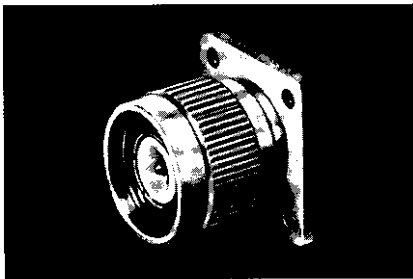
Plug 50 Ω

for cable dia. up to .885"



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressurized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
11SC-50-17-1			loose		.885	.682	1	RG-218/U or	3021	with cylindrical gasket
11SC-50-17-2C			captive		.885	.682	1	RG-164/U	3022	

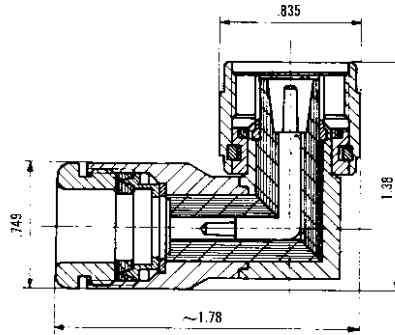
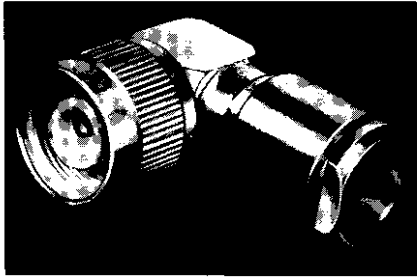
Male Panel Receptacle 50 Ω



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressurized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
13SC-50-0-1										4 threaded holes UNC 6-32

Angle Plug 50 Ω

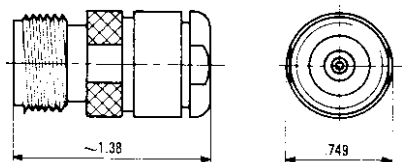
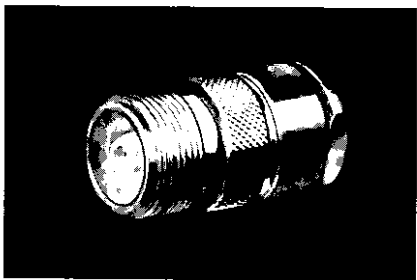
for cable dia. up to .445"



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressurized	cable			example	assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen			
16SC-50-3-2C			captive		.209	.116	1	RG-58 C/U	3045	with cylindrical gasket
16SC-50-3-3C			captive		.236	.116	2	RG-223/U	3045	
16SC-50-4-2C			captive		.252	.146	1	RG-59 B/U	3045	
16SC-50-5-1			loose		.338	.189	2	RG-222/U or	3044	
16SC-50-5-2C			captive		.338	.189	2	RG-6 A/U	3045	
16SC-50-7-1			loose		.425	.285	1	RG-213/U or	3007	
16SC-50-7-2C			captive		.425	.285	1	RG-11 A/U	3008	
16SC-50-7-4			loose		.445	.285	2	RG-214/U or	3007	
16SC-50-7-5C			captive		.445	.285	2	RG-216/U	3008	

Jack 50 Ω

for cable dia. up to .445"



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressurized	cable			example	assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen			
21SC-50-3-2C			captive		.209	.116	1	RG-58 C/U	3045	with cylindrical gasket
21SC-50-3-3C			captive		.181	.116	1	RG-141 A/U-1	3045	
21SC-50-3-4C			captive		.236	.116	2	RG-223/U	3045	
21SC-50-4-2C			captive		.252	.146	1	RG-59 B/U	3045	
21SC-50-5-1			loose		.338	.189	2	RG-222/U or	3044	
21SC-50-5-2C			captive		.338	.189	2	RG-6 A/U	3045	

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