

1. General Data

Moisture-proof, splash-proof.

Non-corrosive.

Metal parts silver-plated and passivated.

Insulation: Teflon (P.T.F.E.).

Seals: silicone rubber.

Centre female contacts: beryllium bronze.

Centre contacts captive.

Impedance: 50 ohms.

Application

Particularly suitable for space-saving connections in the interior of instruments.

Frequency Range: up to 10000 Mc/s.

Operating Voltage: 250 V max.

Temperature Limit:

standard execution 210°F/100°C

(PVC shrink tube)

special execution 480°F/250°C

(Teflon P.T.F.E. shrink tube).

Cable-Entry Sizes: .079"209" dia.
(2,0...5,3 mm)

2. Suitable Cables

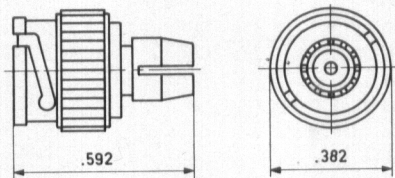
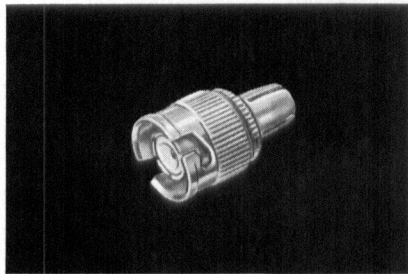
Cable types Examples	Dielectric dia. inches	Screen dia. inches	Sheath max. dia. inches	Suitable types 'K' connectors
RG-178 B/U RG-196 A/U G 01232-1, ... G 01122, UR 94	.034 (0,87 mm)	.055 (1,4 mm)	.087 (2,2 mm)	...K-50-1-...
RG-174 U RG-179 B/U RG-187 A/U RG-188 A/U RG-316/U UR 95 G 02232, -1, ... 96 IEC-50-2-1	.059 (1,5 mm)	.079 (2,0 mm)	.117 (3,0 mm)	...K-50-2-...
RG-58 C/U RG-131 A/U RG-142 A/U UR 72, UR 76 G 03232, -1, ... G 03233, -1, ... G 03233d 96 IEC-50-3-1	.116 (2,95 mm)	.138 (3,5 mm) max.	.209 (5,3 mm)	...K-50-3-...

3. Cable-Entry Constructions

The cable is fastened by a thread inside the split cable-entry construction. The cable screen is folded back over the cable sheath. Now the split cable-entry construction is pressed together until it fits exactly the cable size. The cable-entry construction is then sealed moisture-proof by means of a shrink tube.

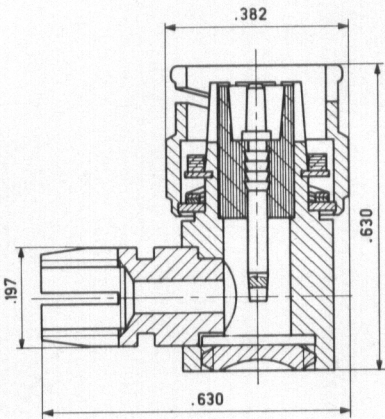
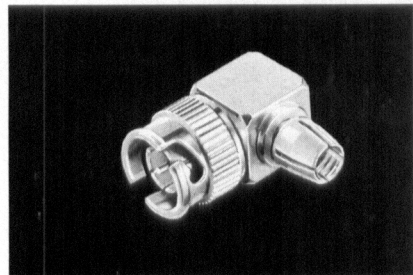
Unless otherwise requested, suitable cuts of PVC shrink tubes are delivered with all connectors concerned. Teflon (P.T.F.E.) shrink tubes are available on request.

Plug 50 Ω



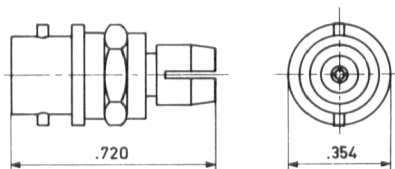
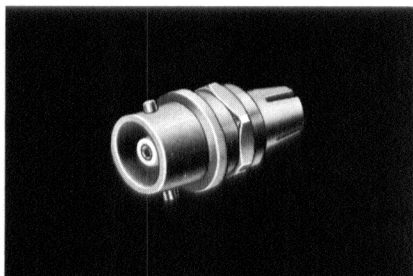
Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
11K-50-1-1C			captive		.087	.034	1	RG-196 A/U	3028	
11K-50-2-1C		5935-99- 945-7089	captive		.181	.060	1	RG-188 A/U	3028	
11K-50-3-1C			captive		.209	.116	1	RG-58 C/U		

Angle Plug 50 Ω



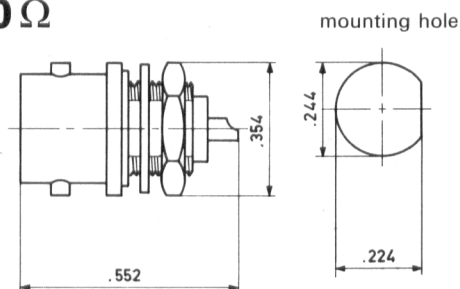
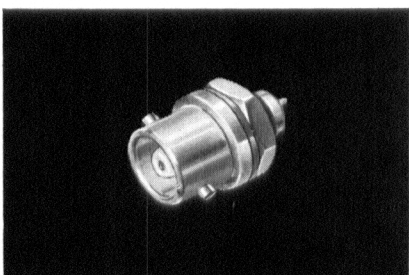
Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
16K-50-1-1C			captive		.087	.034	1	RG-196 A/U	3029	
16K-50-2-1C			captive		.118	.060	1	RG-188 A/U	3029	
16K-50-3-1C		5935-99- 580-9714	captive		.209	.116	1	RG-58 C/U		

Jack 50 Ω



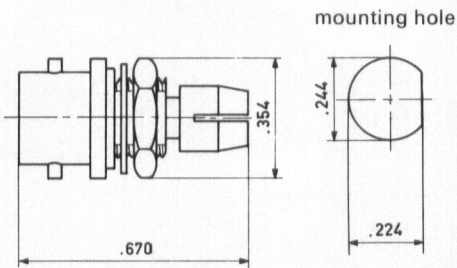
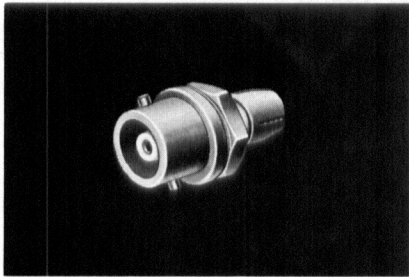
Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
21K-50-1-1C			captive		.087	.034	1	RG-196 A/U	3028	
21K-50-2-1C			captive		.118	.060	1	RG-188 B/U	3028	

Bulkhead Receptacle 50 Ω



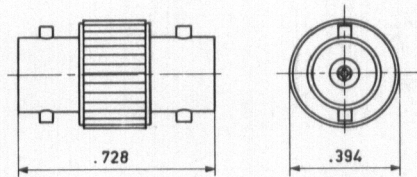
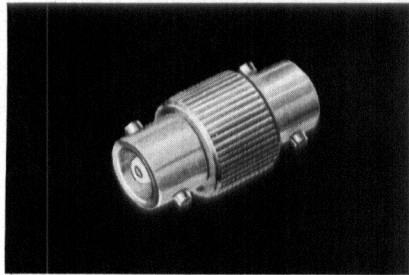
Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
22K-50-0-1		5935-99- 945-8225		yes						panel thickness max. .059"

Bulkhead Jack 50 Ω



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
24K-50-1-1			loose		.087	.034	1	RG-196 A/U	3028	panel thickness max. .059"
24K-50-2-1		5935-99- 580-9715	loose		.118	.060	1	RG-188 A/U	3028	
24K-50-3-1			loose		.209	.116	1	RG-58 C/U		

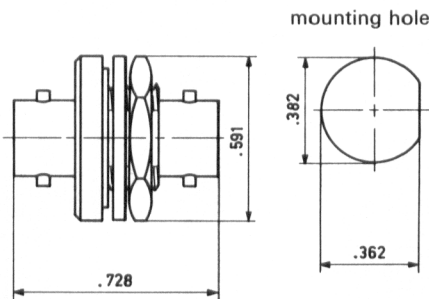
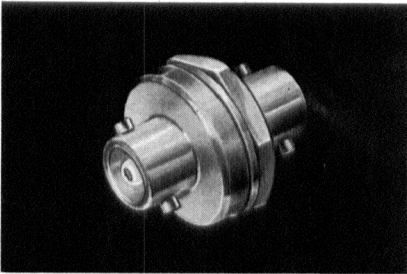
Straight Adapter 50 Ω



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
31K-50-0-1										2 × female
32K-50-0-1										2 × male

Bulkhead Adapter 50 Ω

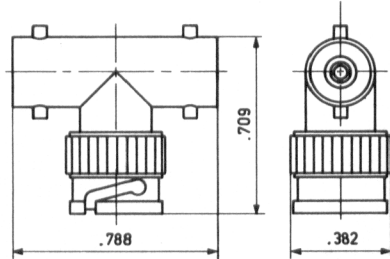
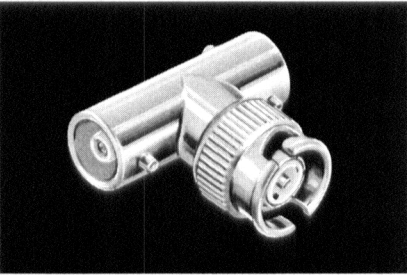
female



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
34K-50-0-1				yes						panel thickness max. .059"

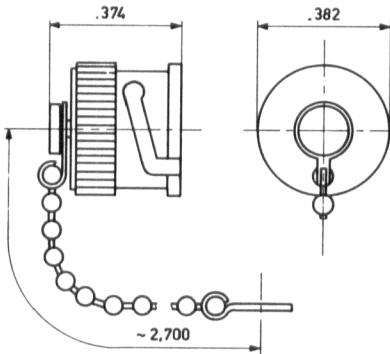
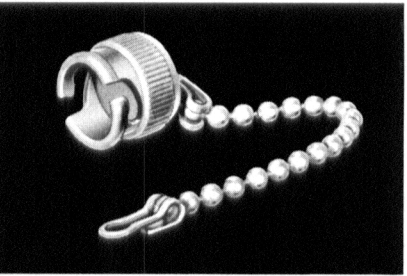
T-Adapter 50 Ω

2 × female, 1 × male



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
43K-50-0-1										

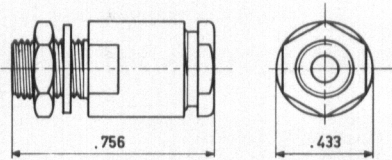
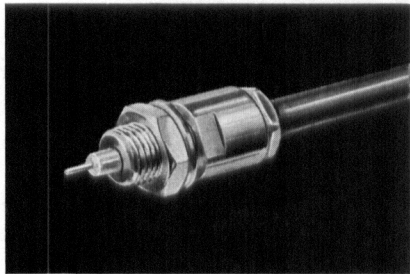
Cap



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
61K-0-0-1		5935-99- 956-1685								for male connectors, with chain and ring
62K-0-0-1		5935-99- 956-1684								for female connectors, with chain and end clip

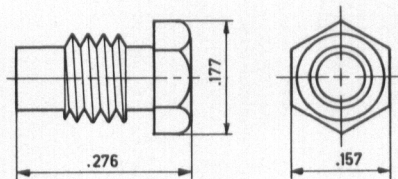
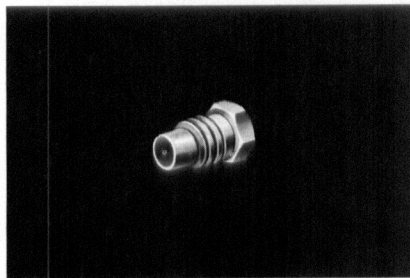
Cable Feed-Through

71Z-0-3-1



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
71Z-0-1-1					.087	.034	1	RG-196 A/U	3028*	panel thickness max. .059" mounting hole .244"
71Z-0-2-1					.118	.060	1	RG-188 A/U	3028*	
71Z-0-3-1					.209	.116	1	RG-58 C/U	3004*	panel thickness .236" mounting hole .315"
										* use dimensions for jacket and screen

Reducing Adapter



Suhner Type	US-MIL-Type	NATO Type equivalent	centre contact	pressur- ized	cable				assembly instruction number	notes
					dia. max. in	dielectric dia. in	screen	example		
RK 02/01					.087	.034	1	RG-196 A/U		are included in the jacks and plugs

Between Series Adapters

Suhner Type	from	to
33K-UHF-0-1	K 50 Ω male	→ UHF female
33UHF-K-0-1	K 50 Ω female	→ UHF male
31K-UHF-0-1	K 50 Ω female	→ UHF female
32K-UHF-0-1	K 50 Ω male	→ UHF male
33K-N-50-1	K 50 Ω male	→ N 50 Ω female
33N-K-50-1	K 50 Ω female	→ N 50 Ω male
31N-K-50-1	K 50 Ω female	→ N 50 Ω female
32N-K-50-1	K 50 Ω male	→ N 50 Ω male
33K-BNC-50-1	K 50 Ω male	→ BNC 50 Ω female
33BNC-K-50-1	K 50 Ω female	→ BNC 50 Ω male
31BNC-K-50-1	K 50 Ω female	→ BNC 50 Ω female
32BNC-K-50-1	K 50 Ω male	→ BNC 50 Ω male
33K-C-50-1	K 50 Ω male	→ C 50 Ω female
33C-K-50-1	K 50 Ω female	→ C 50 Ω male

Suhner Type	from	to
31C-K-50-1	K 50 Ω female	→ C 50 Ω female
32C-K-50-1	K 50 Ω male	→ C 50 Ω male
33K-M-50-1	K 50 Ω male	→ M 50 Ω female
33M-K-50-1	K 50 Ω female	→ M 50 Ω male
31M-K-50-1	K 50 Ω female	→ M 50 Ω female
32M-K-50-1	K 50 Ω male	→ M 50 Ω male
33K-SC-50-1	K 50 Ω male	→ SC 50 Ω female
33SC-K-50-1	K 50 Ω female	→ SC 50 Ω male
31SC-K-50-1	K 50 Ω female	→ SC 50 Ω female
32SC-K-50-1	K 50 Ω male	→ SC 50 Ω male
33K-TNC-50-1	K 50 Ω male	→ TNC 50 Ω female
33TNC-K-50-1	K 50 Ω female	→ TNC 50 Ω male
31K-TNC-50-1	K 50 Ω female	→ TNC 50 Ω female
32K-TNC-50-1	K 50 Ω male	→ TNC 50 Ω male