

Technical Data

ELECTRICAL DATA	REQUIREMENTS
Impedance	50 Ω
Frequency range	N: DC ... 11 GHz 4.1/9.5: DC ... 14 GHz 7/16: DC ... 7.5 GHz
VSWR	≤ 1.06 (RL ≥ 30 dB); f ≤ 2.5 GHz
VSWR for types marked with (R)	≤ 1.06 (RL ≥ 30 dB); f ≤ 2.0 GHz
PIM ¹⁾	≥ 155 dBc

¹⁾ Carrier to 3rd order intermodulation product ratio with 2 x 25 W carrier power, f ≤ 1.88 GHz

MECHANICAL DATA	REQUIREMENTS
Durability (matings)	≥ 500
Centre contact	captivated

ENVIRONMENTAL DATA	REQUIREMENTS
Temperature range	– 40°C ... + 85°C / –40°F... + 185°F
Moisture resistance	IP 67 (acc. to IEC 529)
Moisture resistance for types marked with (R)	IP 68 (acc. to IEC 529)

MATERIAL DATA		
CONNECTOR PART	MATERIAL	PLATING
Cable entry	Brass	SUCOPLATE®
Connector head	Brass	silver plated
Outer contact	Zinc	
Center contact	Phosphor bronze	
Insulators	PTFE	
Gaskets	Silicone rubber	

Series 7/16

straight plugs

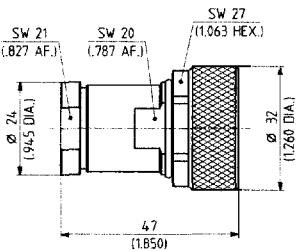
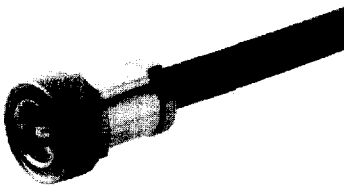


fig. 1

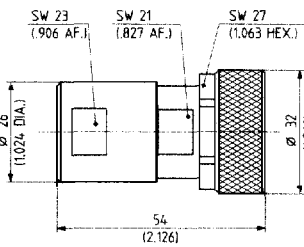


fig. 2

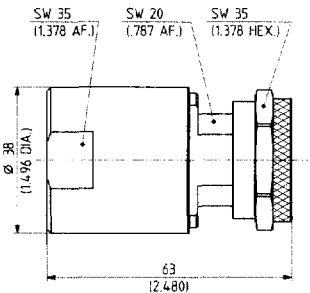


fig. 3

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
11 716-50-9-5	650041	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	110 g/3.85 oz.	9152	1
11 716-50-12-102	651478	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	130 g/4.55 oz.	9153	2
11 716-50-23-101	651102	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	210 g/7.35 oz.	9154	3

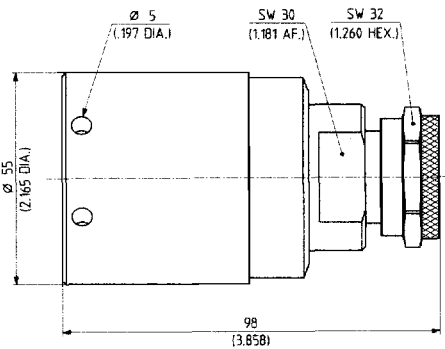
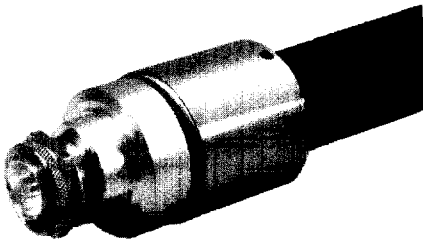


Fig. 1

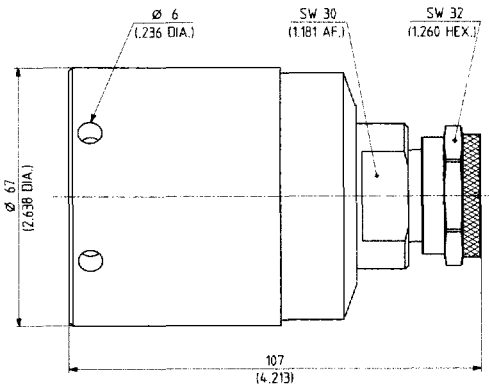


Fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
11 716-50-32-1	650773	1 1/4": Andrew, Nokia, Kabelmtal, Eupen	720 g/25.20 oz.	27059	1
11 716-50-42-1	650770	1 5/8": Andrew, Nokia, Kabelmtal, Eupen	1015 g/35.53 oz.	27059	2

straight plugs

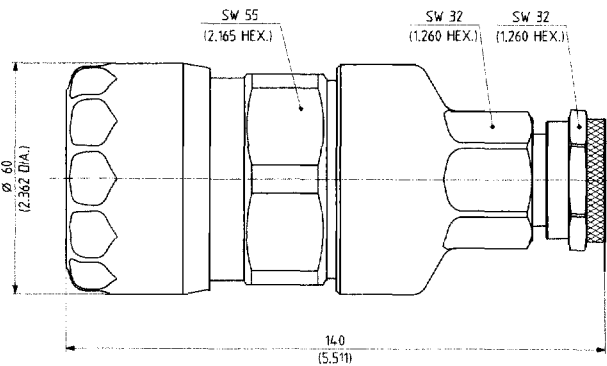


Fig. 1

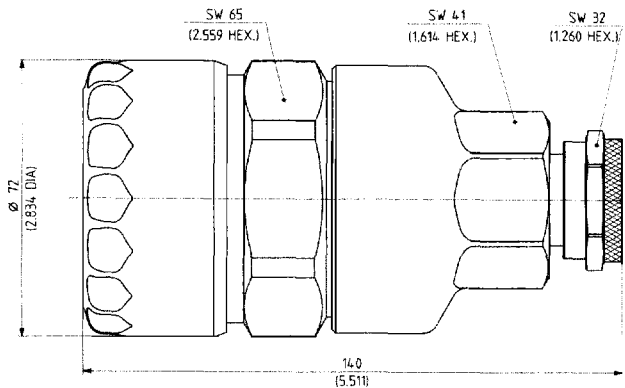
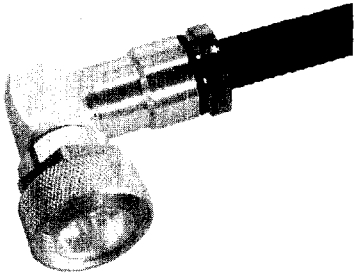
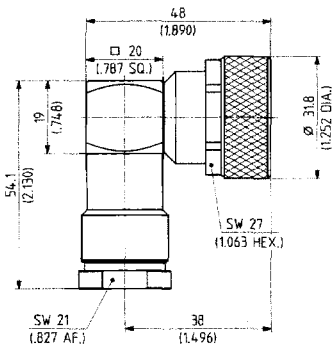


Fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
11 716-50-32-2 (R)		1 1/4": Andrew, Nokia, Kabelmtal, Eupen	1000 g/35 oz.	27245	1
11 716-50-42-2 (R)		1 5/8": Andrew, Nokia, Kabelmtal, Eupen	1300 g/45.5 oz.	27245	2

(R) see VSWR and Moisture resistance, on page 2

right angle plug



SUHNER TYPE	Ident. no.	Suitable cable	Weight	Assembly instructions
16 716-50-9-4	652306	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	190 g/6.65 oz.	9152
16 716-50-12-5	658764	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	282 g/9.87 oz.	9153

cable jacks

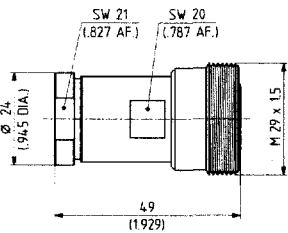
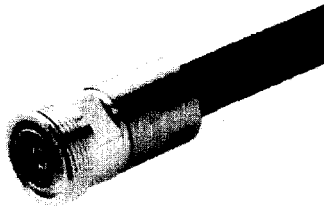


fig. 1

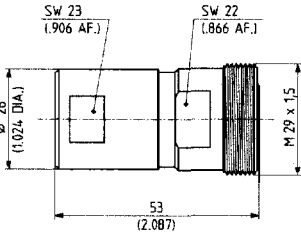


fig. 2

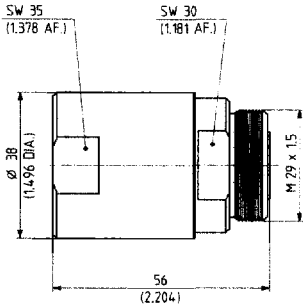


fig. 3

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
21 716-50-9-4	650042	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	105 g/3.68 oz.	9152	1
21 716-50-12-104	651477	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	125 g/4.38 oz.	9153	2
21 716-50-23-101	651435	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	210 g/7.35 oz.	9154	3

cable/panel jacks

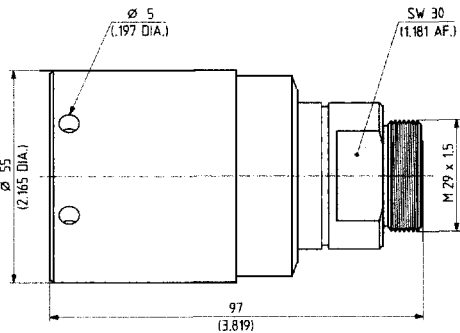
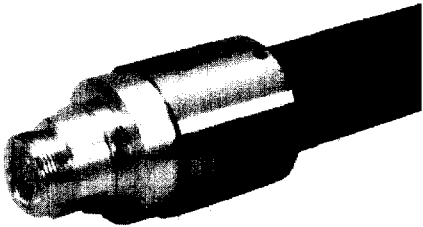


Fig. 1

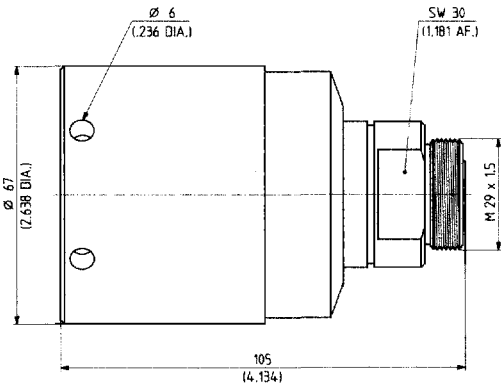


Fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
21 716-50-32-1	650774	1 1/4": Andrew, Nokia, Kabelmtal, Eupen	740 g/25.90 oz.	27059	1
21 716-50-42-1	650767	1 5/8": Andrew, Nokia, Kabelmtal, Eupen	1030 g/36.05 oz.	27059	2

cable/panel jacks

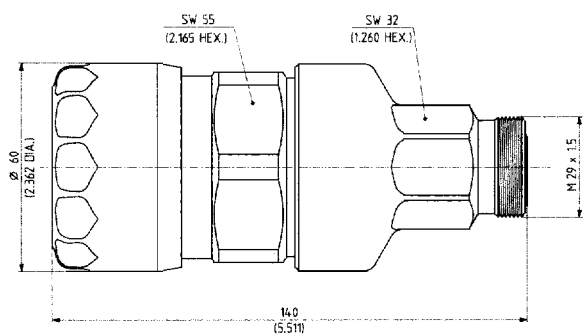
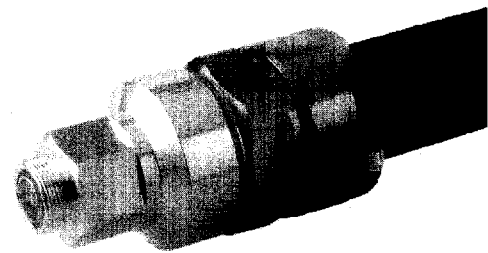


Fig. 1

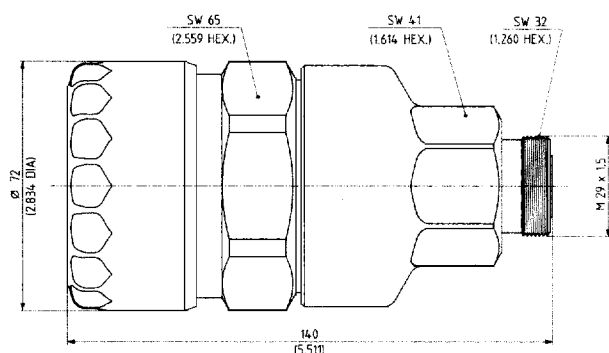


Fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
21 716-50-32-2 (R)	658190	1 1/4": Andrew, Nokia, Kabelmtal, Eupen	1000 g/35 oz.	27245	1
21 716-50-42-2 (R)	658186	1 5/8": Andrew, Nokia, Kabelmtal, Eupen	1300 g/45.5 oz.	27245	2

(R) see VSWR and Moisture resistance, on page 2

straight bulkhead jacks

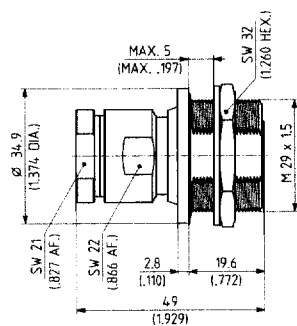
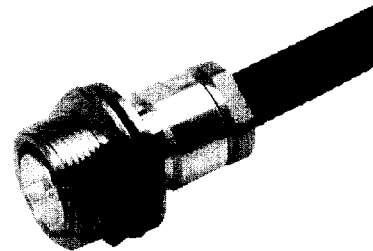


fig. 1

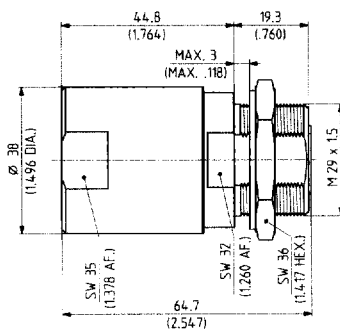
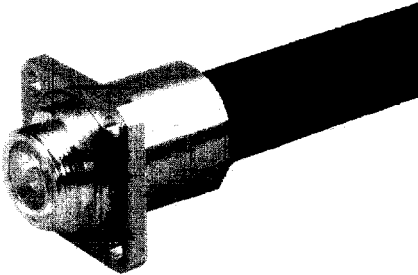
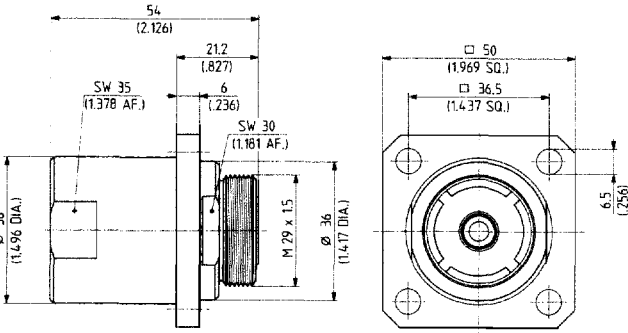


fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
24 716-50-9-1	651811	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	135 g/4.73 oz.	9152	1
24 716-50-23-1	652983	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	237 g/8.30 oz.	9154	2

panel jack



SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions
25 716-50-23-1	651068	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	280 g/9.80 oz.	9154

Series N

straight plugs

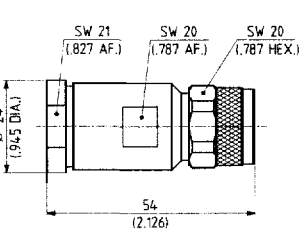
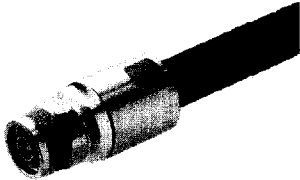


fig. 1

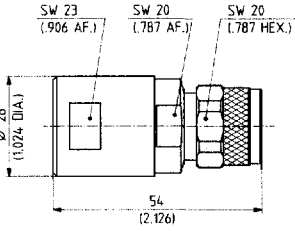


fig. 2

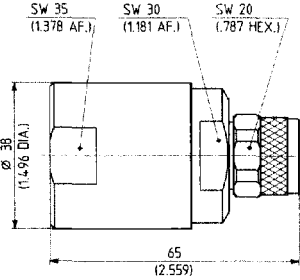


fig. 3

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
11 N-50-9-8	650043	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	100 g/3.50 oz.	9152	1
11 N-50-12-115	651479	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	100 g/3.50 oz.	9153	2
11 N-50-23-101	651427	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	193 g/6.76 oz.	9154	3

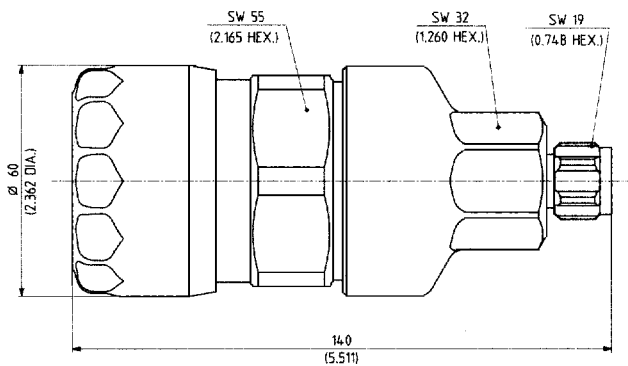


Fig. 1

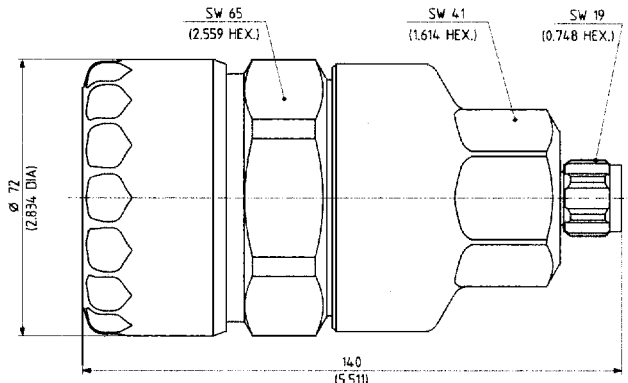
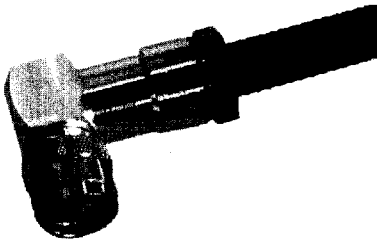
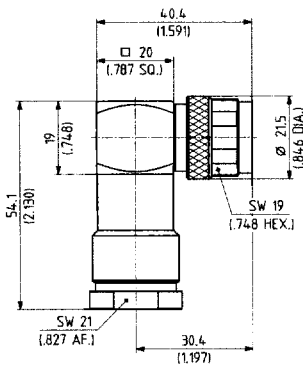


Fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
11 N-30-32-2 (R)	658189	1 1/4": Andrew, Nokia, Kabelmtal, Eupen	1000 g/35 oz.	27245	1
11 N-30-42-2 (R)	658191	1 5/8": Andrew, Nokia, Kabelmtal, Eupen	1300 g/45.5 oz.	27245	2

(R) see VSWR and Moisture resistance, on page 2

right angle plug



SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions
16 N-50-9-5	652305	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	139 g/4.87 oz.	9152

cable jacks

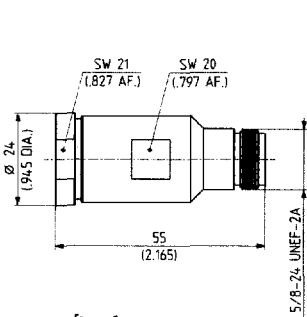
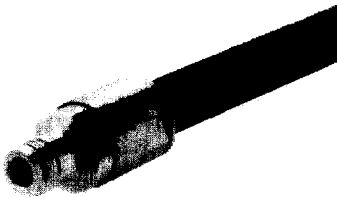


fig. 1

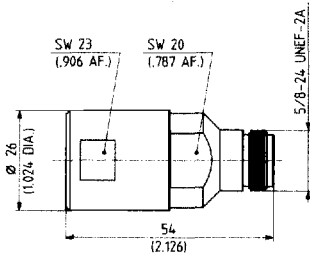


fig. 2

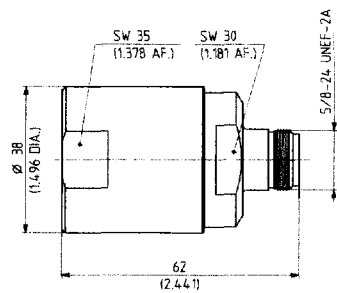


fig. 3

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
21 N-50-9-2	650044	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	95 g/3.33 oz.	9152	1
21 N-50-12-101	651480	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	100 g/3.50 oz.	9153	2
21 N-50-23-101	651428	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	190 g/6.90 oz.	9154	3

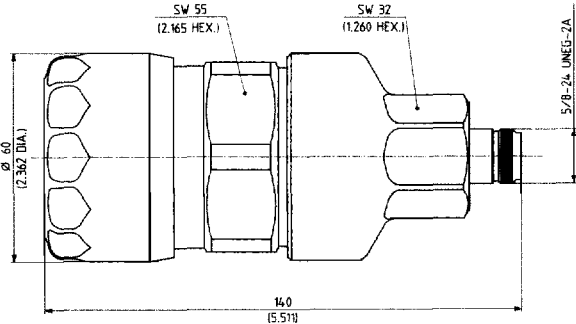
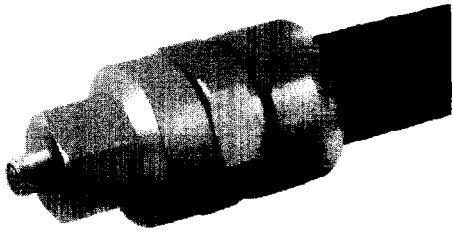


Fig. 1

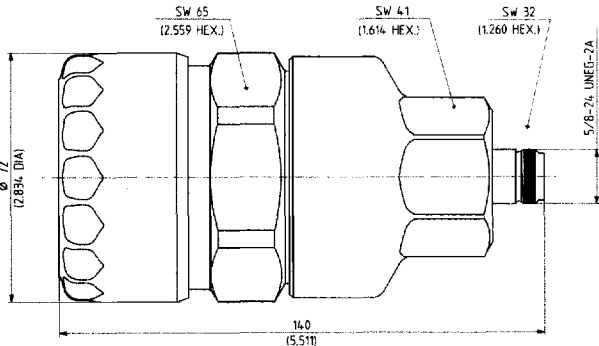
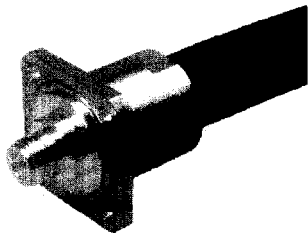
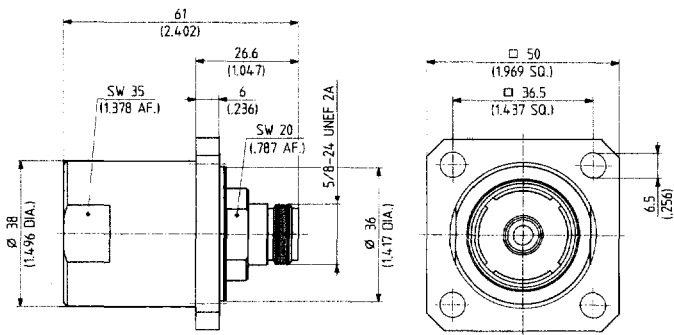


Fig. 2

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
21 N-50-32-2 (R)	658188	1 1/4": Andrew, Nokia, Kabelmtal, Eupen	1000 g/35 oz.	27245	1
21 N-50-42-2 (R)	658192	1 5/8": Andrew, Nokia, Kabelmtal, Eupen	1300 g/45.5 oz.	27245	2

(R) see VSWR and Moisture resistance, on page 2

panel jack



SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions
25 N-50-23-101	652327	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	275 g/9.63 oz.	9154

Series 4.1/9.5

straight plugs

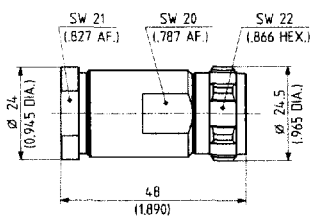
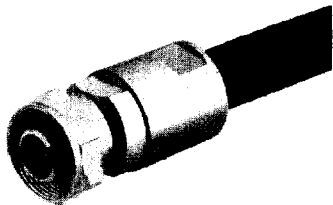


fig. 1

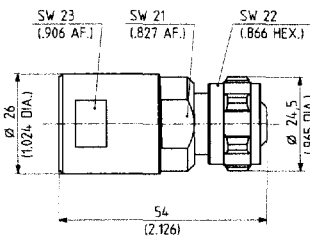


fig. 2

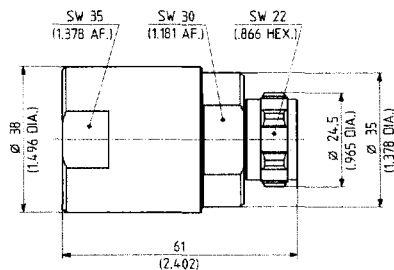
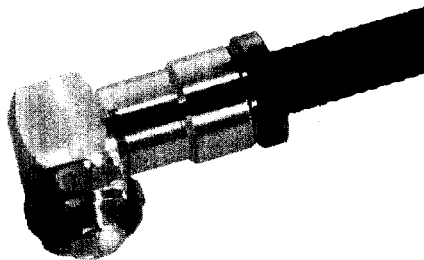
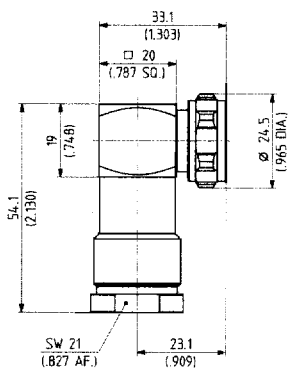


fig. 3

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
11 4195-50-9-2	650784	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	88 g/3.08 oz.	9152	1
11 4195-50-12-136	651475	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	98 g/3.43 oz.	9153	2
11 4195-50-23-101	651437	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	221 g/7.74 oz.	9154	3

right angle plug



SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions
16 4195-50-9-1	652307	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	118 g/4.13 oz.	9152

cable jacks

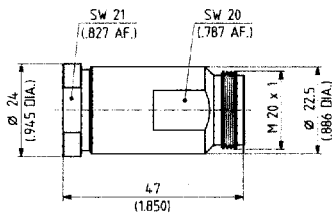
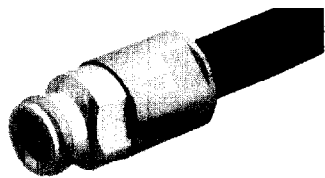


fig. 1

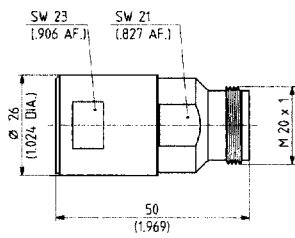


fig. 2

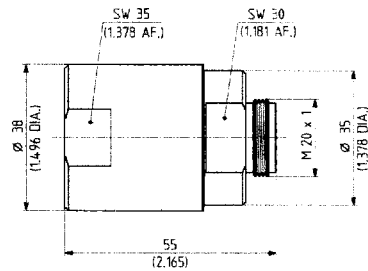


fig. 3

SUHNER TYPE	Ident. no.	Suitable cables	Weight	Assembly instructions	Fig.
21 4195-50-9-36	650785	1/2" Highflex: SUCOFEED®, Andrew, Nokia, Kabelmtal	84 g/2.94 oz.	9152	1
21 4195-50-12-136	651476	1/2": SUCOFEED®, Andrew, Nokia, Kabelmtal	100 g/3.50 oz.	9153	2
21 4195-50-23-101	651438	7/8": SUCOFEED®, Andrew, Nokia, Kabelmtal	209 g/7.32 oz.	9154	3