



SUHNER® QUICK-FIT COAXIAL CONNECTORS

Description

SUHNER® QUICK-FIT® connectors are worldwide approved N and 7/16 connectors for foam dielectric corrugated copper tube cables. They offer a greatly simplified and economic approach to cable preparation and assembly. The product line meets the requirements of multi-carrier, high-channel-count transceivers such as base stations of today's mobile communication infrastructure networks.

The cable entries support standard foam dielectric corrugated copper tube cables $3/8"$ $1/2"$, $7/8"$, $1 1/4"$ and $1 5/8"$ and $1/2"$ highflex SUCOFEEED as well as equivalent products from Andrew, Kabelmetal and NK-Cables.

Features

- **low, stable and reproducible PIM (Passive Intermodulation Product)**
 - typical -165 dBc
 - excellent performance under mechanical stress and severe environmental conditions
- **safe assembly process**
 - in-field termination with reproducible electrical performance
- **quick and easy assembly**
 - 2 main connector parts, 4 steps in less than 4 minutes
- **moisture protection**
 - IP 68
- **one design per cable size simplifies logistics**

Applications

- antenna links and internal connections of mobile phone base stations
- jumper cables and feeder lines
- Radio in the Local Loop (RLL) base stations
- in general radio transceivers with high requirements for low attenuation, PIM and VSWR

Technical Data

ELECTRICAL DATA	REQUIREMENTS
Impedance	50 Ω
Frequency range (for connector interface)	N: DC ... 11 GHz 7/16: DC ... 7.5 GHz
VSWR	≤ 1.06 (RL ≥ 30 dB); $f \leq 2.5$ GHz
VSWR for types marked with (R)	≤ 1.06 (RL ≥ 30 dB); $f \leq 2.0$ GHz
PIM ¹⁾	better than -155 dBc

¹⁾ Carrier to 3rd order intermodulation product ratio with 2 x 25 W (44 dBc) carrier power, $f \leq 1.88$ GHz

MECHANICAL DATA	REQUIREMENTS
Durability (matings)	≥ 500
Centre contact	captivated
Coupling nut torque	N: 0.68 ... 1.13 Nm / 0.49 ... 0.82 ft lb. 7/16: 25 ... 30 Nm / 18.05 ... 21.66 ft lb.
Recommended coupling nut torque	N: 3 Nm / 2.2 ft lb. with 100 matings max
Coupling nut retention force	N: ≥ 450 N / 101.2 lbs. 7/16: ≥ 1000 N / 225.0 lbs.

ENVIRONMENTAL DATA	REQUIREMENTS
Temperature range	-40°C ... +85°C / -40°F ... +185°F
Moisture resistance	IP 68 (acc. to IEC 60529)

MATERIAL DATA		
CONNECTOR PART	MATERIAL	PLATING
Cable entry	Brass	SUCOPLATE®
Connector head	Brass	silver
Outer contact	Brass	
Center contact	Spring bronze	
Insulators	PTFE/PFA	
Gaskets	Rubber	

Some connectors may have a specification that differs from the above mentioned data.

The products are designed and guaranteed to pass the above mentioned test procedures. Any additional or different requirement arising from specific applications or environmental conditions which is not covered by these test procedures is subject to request.

Series 7/16

Straight Cable Plugs (male)

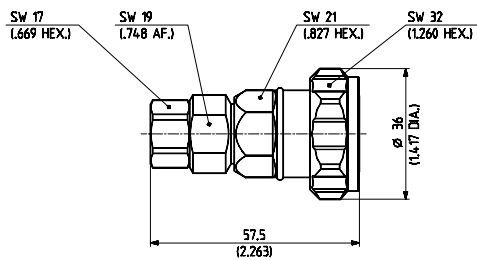


fig. 1

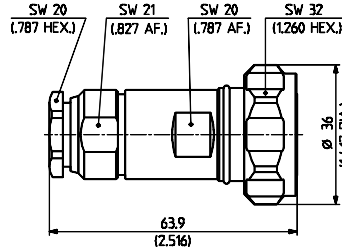


Fig. 2

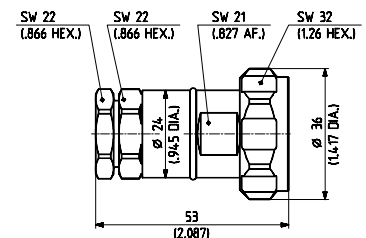


Fig. 3

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
11 716-50-8-10 / 003 -E	22658318	M8 (LDF 2-50 3/8")	single	128 g/4.48 oz.	27340	1	
11 716-50-8-11 / 003 -E	23002027	EFX2-50	single	151 g/5.33 oz.	27349	2	
11 716-50-9-9 / 003 -E	22660309	M9 (SUCOFEED 1/2"HF)	single	126 g/4.41 oz.	27322	3	

Straight Cable Plugs (male)

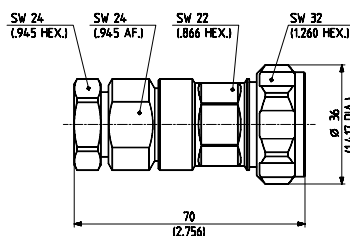


fig. 1

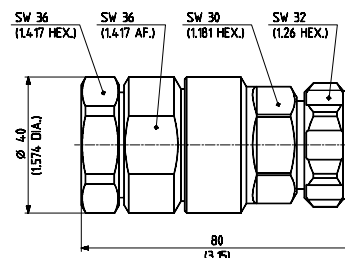


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
11 716-50-12-10 / 003 -E	22658311	M12 (SUCOFEED 1/2")	single	169 g/5.92 oz.	27323	1	
11 716-50-23-10 / 003 -E	23000309	M23 (SUCOFEED 7/8")	single	327 g/11.4 oz.	27324	2	

Straight Cable Plugs (male)

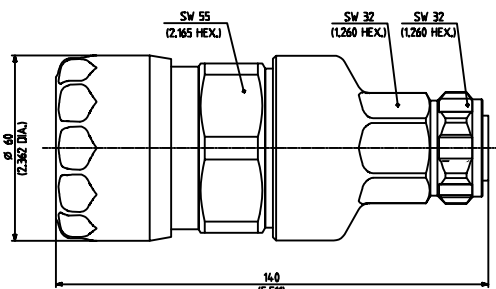


Fig. 1

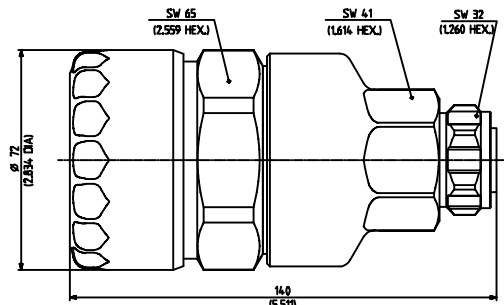


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
11 716-50-32-2 / 003 -Y	22658187	M32 (SUCOFEED 1 1/4")	single	1016 g/35.6 oz.	27245	1	(R)
11 716-50-42-2 / 003 -Y	22658185	M42 (SUCOFEED 1 5/8")	single	1298 g/45.4 oz.	27245	2	(R)

(R) = for VSWR [CLICK HERE](#)

Right Angle Cable Plugs (male)

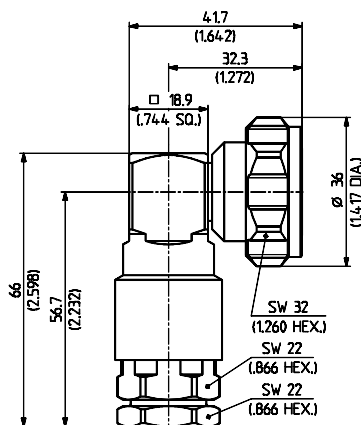


Fig. 1

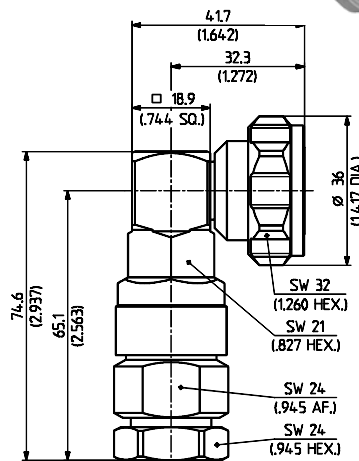


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
16 716-50-9-5 / 003 -E	23007298	M9 (SUCOFEED 1/2" HF)	single	180 g/6.30 oz.	27322	1	
16 716-50-12-11 / 003 -E	23011827	M12 (SUCOFEED 1/2")	single	223 g/7.8 oz.	27323	2	

Straight Cable Jacks (female)

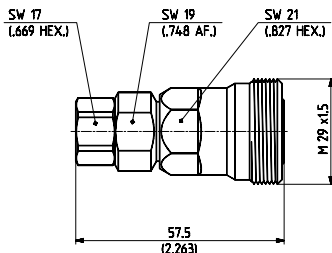


Fig. 1

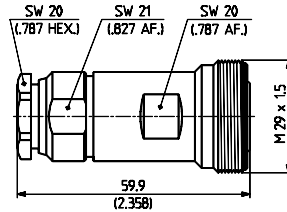


Fig. 2

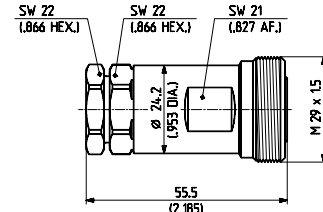


Fig. 3

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
21 716-50-8-10 / 003 -E	22658319	M8 (LDF 2-50 $\frac{3}{8}$ ")	single	115 g/4.03 oz.	27340	1	
21 716-50-8-11 / 003 -E	23002028	EFX2-50	single	133 g/4.69 oz.	27349	2	
21 716-50-9-9 / 003 -E	22660310	M9 (SUCOFEED $\frac{1}{2}$ "HF)	single	120 g/4.20 oz.	27322	3	

Straight Cable Jacks (female)

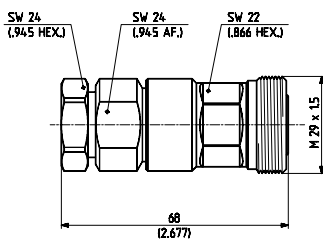


Fig. 1

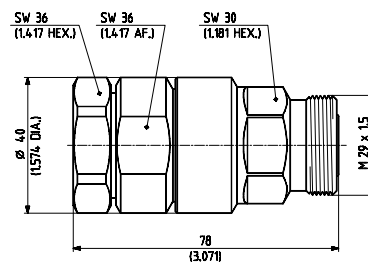


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
21 716-50-12-10 / 003 -E	22658313	M12 (SUCOFEED $\frac{1}{2}$ ")	single	153 g/5.36 oz.	27323	1	
21 716-50-23-10 / 003 -E	23000310	M23 (SUCOFEED $\frac{7}{8}$ ")	single	315 g/11.0 oz.	27324	2	

Straight Cable Jacks (female)

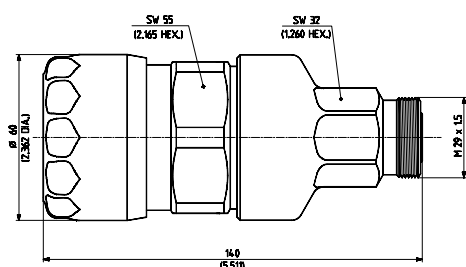


Fig. 1

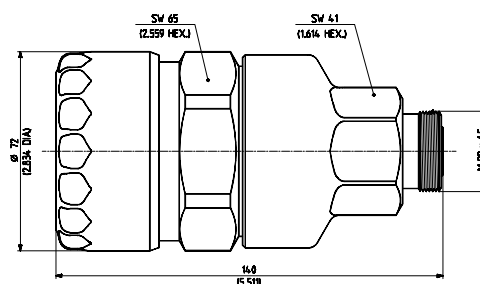


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
21 716-50-32-2 / 003 -Y	22658188	M32 (SUCOFEED 1 1/4")	single	1011 g/35.4 oz.	27245	1	(R)
21 716-50-42-2 / 003 -Y	22658186	M42 (SUCOFEED 1 5/8")	single	1291 g/45.2 oz.	27245	2	(R)

(R) = for VSWR [CLICK HERE](#)

Series N

Straight Cable Plugs (male)

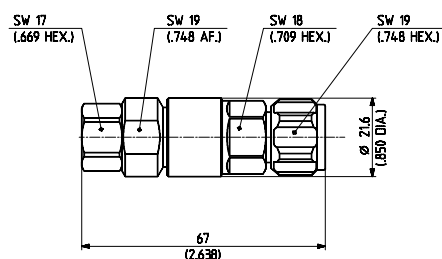


fig. 1

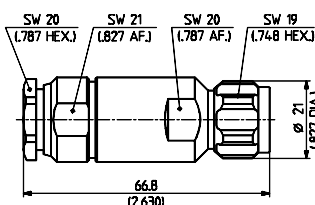


fig. 2

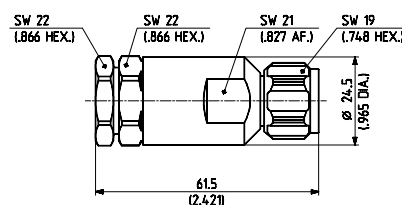


Fig. 3

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
11 N-50-8-10 / 003 -E	22658316	M8 (LDF 2-50 3/8")	single	96 g/3.36 oz.	27340	1	
11 N-50-8-11 / 133 UE	23002025	EFX2-50	single	124 g/4.37 oz.	27349	2	
11 N-50-9-9 / 003 -E	22660311	M9 (SUCOFEED 1/2"HF)	single	112 g/3.92 oz.	27322	3	

Straight Cable Plugs (male)

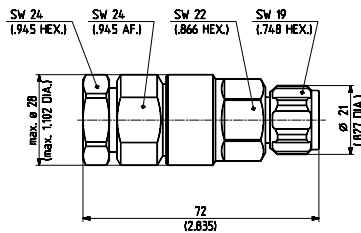


Fig. 1

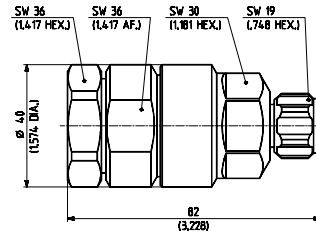


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
11 N-50-12-10 / 003 -E	22658314	M12 (SUCCOFEED 1/2")	single	143 g/5.00 oz.	27323	1	
11 N-50-23-10 / 003 -E	23000308	M23 (SUCCOFEED 7/8")	single	305 g/10.7 oz.	27324	2	

Straight Cable Plugs (male)

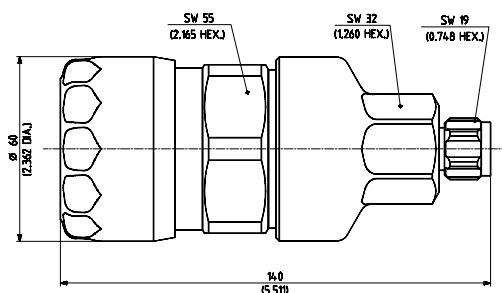


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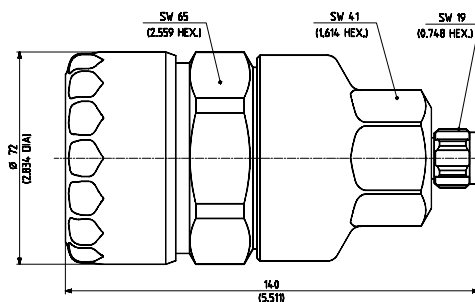


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
11 N-50-32-2 / 003 -Y	22658189	M32 (SUCCOFEED 1 1/4")	single	990 g/34.7 oz.	27245	1	(R)
11 N-50-42-2 / 003 -Y	22658191	M42 (SUCCOFEED 1 5/8")	single	1285 g/45.0 oz.	27245	2	(R)

(R) = for VSWR [CLICK HERE](#)

Right Angle Cable Plugs (male)

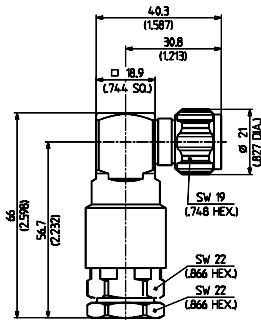


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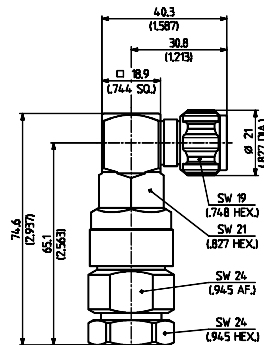


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
16 N-50-9-6 / 003 -E	23007299	M9 (SUCCOFEED 1/2" HF)	single	164 g / 5.75 oz.	27322	1	
16 N-50-12-9 / 003 -E	23011828	M12 (SUCCOFEED 1/2")	single	208 g / 7.30 oz.	27323	2	

Straight Cable Jacks (female)

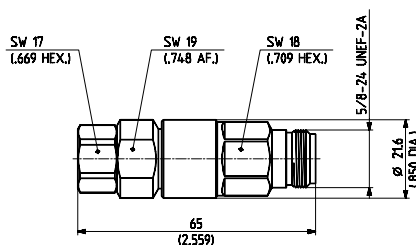


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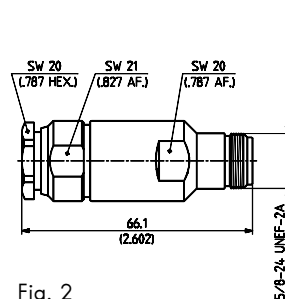


Fig. 2

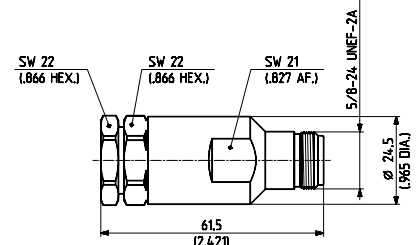


Fig. 3

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
21 N-50-8-10 / 003 -E	22658317	M8 (LDF 2-50 3/8")	single	97 g / 3.40 oz.	27340	1	
21 N-50-8-11 / 133 UE	23002026	EFX2-50	single	124 g / 4.37 oz.	27349	2	
21 N-50-9-9 / 003 -E	22660312	M9 (SUCCOFEED 1/2" HF)	single	113 g / 3.96 oz.	27322	3	

Straight Cable Jacks (female)

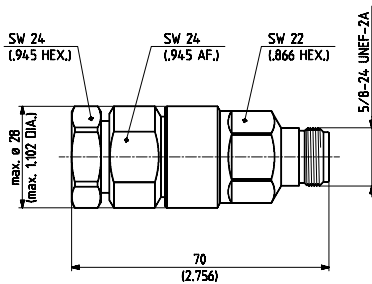


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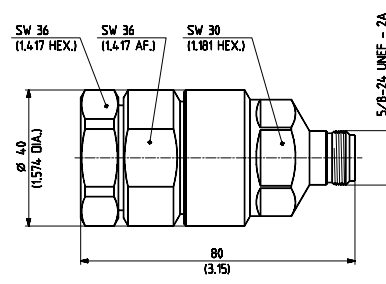


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
21 N-50-12-10 / 003 -E	22658315	M12 (SUCCOFEED 1/2")	single	142 g/4.97 oz.	27323	1	
21 N-50-23-10 / 003 -E	23000307	M23 (SUCCOFEED 7/8")	single	300 g/10.5 oz.	27324	2	

Straight Cable Jacks (female)

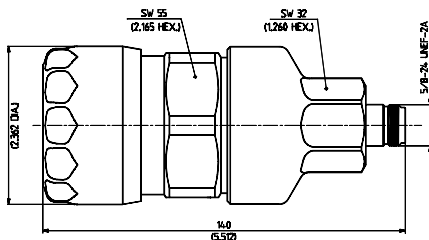


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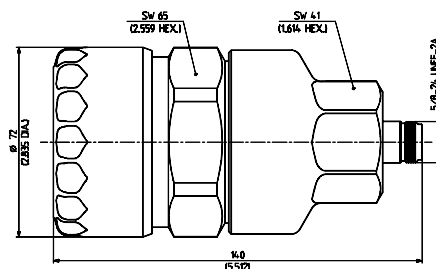


Fig. 2

SUHNER TYPE	Order No.	Cable Group (example)	Packaging	Weight	Assembly Instruction	Fig.	Notes
21 N-50-32-2 / 003 -Y	22658190	M32 (SUCCOFEED 1 1/4")	single	989 g/34.6 oz.	27245	1	(R)
21 N-50-42-2 / 003 -Y	22658192	M42 (SUCCOFEED 1 5/8")	single	1279 g/44.8 oz.	27245	2	(R)

(R) = for VSWR [CLICK HERE](#)

TOOLS FOR SUHNER QUICK-FIT® CONNECTORS

SUHNER® QUICK-FIT cable stripping tools for easy cable preparation in one single operation

(can be used manually or with electrical power tool)



SUHNER TYPE	Article No.	Cable type	Assembly instructions
74 Z-0-8-15	23000296	3/8" LDF 2-50: Andrew	27340
74 Z-0-8-16	23002149	3/8" EFX 2-50: Andrew	27349
74 Z-0-9-15	23001006	1/2" Highflex: SUCOFEED®, Andrew, NK (Nokia), Kabelmetal	27322 / 27345
74 Z-0-12-15	23000319	1/2": SUCOFEED®, Andrew, NK (Nokia), Kabelmetal	27323
74 Z-0-23-16	23007928	7/8":SUCOFEED®, Andrew, NK (Nokia), Kabelmetal	27324 / 27393
74 Z-0-32-14	23010533	1 1/4: SUCOFEED®, Andrew, NK (Nokia), Kabelmetal	27245
74 Z-0-42-14	23010534	1 5/8: SUCOFEED®, Andrew, NK (Nokia), Kabelmetal	27245

SUHNER® QUICK-FIT installation kit

Tool kit for all SUHNER® QUICK-FIT Connectors

(with additional space for other auxiliary tools and spare parts)

Stripping tools can be accommodated but are not included



SUHNER TYPE	Article No.	Description	Content	Size
74 Z-0-0-600	23002174	tool box	all tools of the following tables marked with *	620×430×140 mm/ 24.4× 17× 1.5 in.

Overview necessary tools for the assembly of SUHNER® QUICK-FIT connectors

SUHNER TYPE	Article No.	Part description	Corrugated copper tube cables						
			3/8"	3/8" EFX	1/2" HF	1/2"	7/8"	1 1/4"	1 5/8"
74 Z-0-8-15	23000296	stripping tool (3/8")	X						
74 Z-0-8-16	23002149	stripping tool (3/8" EFX 2-50)		X					
74 Z-0-9-15	23001006	stripping tool (1/2" HF)			X				
74 Z-0-12-15	23000319	stripping tool (1/2")				X			
74 Z-0-23-16	23007928	stripping tool (7/8")					optional		
74 Z-0-32-14	23010533	stripping tool (1 1/4")						optional	
74 Z-0-42-14	23010534	stripping tool (1 5/8")							optional
74 Z-0-8-17	23002151	flaring tool (3/8" EFX 2-50)		X					
74 Z-0-0-402	22652193	* abrasive paper 320	X	X	X	X			
74 Z-0-0-424	23001952	* spanner AF 17 mm	X						
74 Z-0-0-425	23001953	* spanner AF 18 mm	X						
74 Z-0-0-426	23001954	* spanner AF 19 mm	X						
74 Z-0-0-427	23001955	* spanner AF 21 mm	X	X	X				
74 Z-0-0-428	23001956	* spanner AF 22 mm			X	X			
74 Z-0-0-429	23001957	* spanner AF 24 mm				X			
74 Z-0-0-430	23001958	* spanner AF 30 mm					X		
74 Z-0-0-431	23001959	* spanner AF 36 mm					X		
74 Z-0-0-415	22652206	* counter sink					X ¹⁾	X ¹⁾	X ¹⁾
74 Z-0-0-418	22652209	* Stanley knife	X	X	X	X	X	X	X
74 Z-0-0-420	22652211	* steel brush					X	X	X
74 Z-0-0-422	22652213	* steel measure 200 mm	X ²⁾	X ²⁾	X ²⁾	X ²⁾	X	X	X
74 Z-0-0-432	23002005	* screw driver (2)	X	X		X			
74 Z-0-0-433	23002007	* screw driver (4)					X	X	X
74 Z-0-0-12	22642718	small metal saw	X	X	X	X	X	X	X
74 Z-0-0-434	23002166	monkey wrench ³⁾ (min. 65 mm)						X	X
		small file	X ²⁾	X ²⁾	X ²⁾	X ²⁾			

* = tool included in the SUHNER QUICK-FIT installation kit 74 Z-0-0-600, (can be ordered with ident. no. 23002174)

1) for assembly use either the Stanley knife or the counter sink

2) only necessary without SUHNER stripping tool

3) 2 wrenches are needed for assembling

Spare parts for SUHNER® QUICK-FIT cable stripping tools



SUHNER TYPE	Article No.	Part	Application	Function
74 Z-0-0-346	23000936	blade	74 Z-0-8-15 74 Z-0-8-16 74 Z-0-9-15 74 Z-0-12-15	stripping jacket
74 Z-0-0-347	23000937	blade	74 Z-0-8-15 74 Z-0-8-16 74 Z-0-12-15	cutting corrugated copper tube
74 Z-0-0-348	23000938	triangle knife	74 Z-0-8-15 74 Z-0-8-16 74 Z-0-9-15 74 Z-0-12-15	deburring inner conductor
74 Z-0-0-349	23001008	blade	74 Z-0-9-15	cutting corrugated copper tube
74 Z-0-0-297	22650531	blade	74 Z-0-23-16	cutting corrugated copper, foam and inner conductor
74 Z-0-0-355	23008264	blade	74 Z-0-23-16 74 Z-0-32-14	stripping jacket
74 Z-0-0-356	23010537	blade	74 Z-0-42-14	stripping jacket

Additional tools for SUHNER® QUICK-FIT cable stripping tools

SUHNER TYPE	Article No.	Tool description	Function
74 Z-0-0-416	22652207	* allen wrench AF 2.5 mm/.098 in.	spare blades for the stripping tools 74 Z-0-8-15, 74 Z-0-9-15 and 74 Z-0-12-15
74 Z-0-0-423	23000311	* allen wrench AF 4 mm/.16 in.	for removing the BIT adaptor
74 Z-0-0-421	22652212	* screwdriver, Torx 1 (Torx T7)	for changing the triangle knife 74 Z-0-0-348

* = not included in the SUHNER QUICK-FIT installation kit 74 Z-0-0-600

ACCESSORIES FOR SUHNER QUICK-FIT®

Cold shrink tubes for additional protection



SUHNER TYPE	Article No.	Packaging	Application of connector pair
73 Z-0-0-337 / --- -Z	22658883	bulk 10 pcs.	3/8" - 1/2" 3/8" EFX - 1/2" 1/2" HF - 1/2" HF 1/2" HF - 1/2" 1/2" - 1/2"
73 Z-0-0-338 / --- -Z	22658884	bulk 10 pcs.	1/2" HF - 7/8" 1/2" - 7/8" 7/8" - 7/8"
73 Z-0-0-339 / --- -Y	22658885	bulk (variable)	1/2" HF - 1 1/4" 1/2" HF - 1 5/8" 1/2" - 1 1/4" 1/2" - 1 5/8" 7/8" - 1 1/4" 7/8" - 1 5/8"
73 Z-0-0-340 / --- -Y	22658886	bulk (variable)	1 1/4" - 1 1/4" 1 1/4" - 1 5/8" 1 5/8" - 1 5/8"

Example:





SUHNER® SUCOFEED corrugated coaxial cables

Cable design	Dimension	SUCOFEEED 1/4" HF	SUCOFEEED 1/4" HF-FR	SUCOFEEED 1/4" HF-FR-UL	SUCOFEEED 3/8" HF-FR	SUCOFEEED 3/8" HF-FR-UL
	Article number	1/4" High-flex	1/4" High-flex	1/4" High-flex	3/8" High-flex	3/8" High-flex
	Jacket version	22512286	23001706	23004719	22512287	23004720
	Jacket version	Standard	Flame retardant	High flame retardant / UL-listed	Flame retardant	High flame retardant / UL-listed
Inner conductor	(Ø in mm)	1.90			2.80	
Dielectric	(Ø in mm)	4.40			6.90	
Outer conductor	(Ø in mm)	6.40			9.50	
Jacket	(Ø in mm)	7.70			10.80	
Electrical data						
Typ. operating frequency	(GHz)	≤ 18			≤ 12	
Impedance	(ohms)	50 ± 1			50 ± 1	
Capacitance	(pF/m)	80			80	
Relative signal propagation	(%)	83			83	
Signal delay	(ns/m)	4.06			4.02	
Max. operating voltage	(kVrms)	0.6			0.9	
Typ. attenuation @ 1 GHz	(dB/100m)	19.53			13.34	
Typ. attenuation @ 2 GHz	(dB/100m)	28.52			19.45	
Typ. attenuation @ 2.2 GHz	(dB/100m)	30.08			20.49	
Max. power @ 1 GHz (40°C)	(kW)	≤ 0.29			≤ 0.54	
Max. power @ 2 GHz (40°C)	(kW)	≤ 0.20			≤ 0.37	
Max. power @ 2.2 GHz (40°C)	(kW)	≤ 0.19			≤ 0.35	
General data						
Temp. range operating	(°C)	-40 / +85			-40 / +85	
Temp. range installation	(°C)	-25 / +60			-20 / +60	
Typ. weight	(kg/100m)	10.0	10.9	10.9	17.6	
Min. bending radius	(mm)	25			25	



SUHNER® SUCOFEED corrugated coaxial cables (cont.)

Cable design	Dimension	SUCOFEEED 1/2" HF	SUCOFEEED 1/2" HF-FR	SUCOFEEED 1/2" HF-FR-UL	SUCOFEEED 1/2"	SUCOFEEED 1/2" FR	SUCOFEEED 1/2" FR-UL
	Article number	1/2" High-flex	1/2" High-flex	1/2" High-flex	1/2"	1/2"	1/2"
	Jacket version	22512114	22512163	23004721	22511973	22512079	23004722
		Standard	Flame retardant	High flame retardant / UL-listed	Standard	Flame retardant	High flame retardant / UL-listed
Inner conductor	(∅ in mm)	3.60			4.80		
Dielectric	(∅ in mm)	8.70			11.90		
Outer conductor	(∅ in mm)	12.10			13.70		
Jacket	(∅ in mm)	13.40			16.00		
Electrical data							
Typ. operating frequency	(GHz)	≤ 10			≤ 8		
Impedance	(ohms)	50 ± 1			50 ± 1		
Capacitance	(pF/m)	78.5			76		
Relative signal propagation	(%)	85			88		
Signal delay	(ns/m)	3.92			3.79		
Max. operating voltage	(kVrms)	1.27			1.6		
Typ. attenuation @ 1 GHz	(dB/100m)	10.74			7.25		
Typ. attenuation @ 2 GHz	(dB/100m)	15.74			10.62		
Typ. attenuation @ 2.2 GHz	(dB/100m)	16.61			11.12		
Max. power @ 1 GHz (40°C)	(kW)	≤ 0.78			≤ 1.18		
Max. power @ 2 GHz (40°C)	(kW)	≤ 0.52			≤ 0.81		
Max. power @ 2.2 GHz (40°C)	(kW)	≤ 0.50			≤ 0.77		
General data							
Temp. range operating	(°C)	-40 / +85			-40 / +85		
Temp. range installation	(°C)	-25 / +60			-25 / +60	-20 / +60	-20 / +60
Typ. weight	(kg/100m)	22.7	24.0	24.0	25.0	27.6	27.6
Min. bending radius	(mm)	25			70		



SUHNER® SUCOFEED corrugated coaxial cables (cont.)

	Dimension	SUCOFEEED 7/8"	SUCOFEEED 7/8" FR	SUCOFEEED 1 1/4"	SUCOFEEED 1 5/8"
		7/8"	7/8"	1 1/4"	1 5/8"
		Article number	Article number	Article number	Article number
		Jacket version	Jacket version	Jacket version	Jacket version
Cable design		Standard	Flame retardant	Standard	Standard
Inner conductor	(Ø in mm)	9.00		13.00	17.30
Dielectric	(Ø in mm)	22.00		32.00	42.00
Outer conductor	(Ø in mm)	24.70		35.70	46.20
Jacket	(Ø in mm)	27.75		39.50	50.00
Electrical data					
Typ. operating frequency	(GHz)	≤ 5		≤ 3	≤ 2.5
Impedance	(ohms)	50 ± 1		50 ± 1	50 ± 1
Capacitance	(pF/m)	76.5		78	77.5
Relative signal propagation	(%)	87		87	87
Signal delay	(ns/m)	3.83		3.83	3.83
Max. operating voltage	(kVrms)	3		4.3	5.4
Typ. attenuation @ 1 GHz	(dB/100m)	4.11		2.96	2.47
Typ. attenuation @ 2 GHz	(dB/100m)	6.13		4.45	3.80
Typ. attenuation @ 2.2 GHz	(dB/100m)	6.47		4.70	4.04
Max. power @ 1 GHz (40°C)	(kW)	≤ 2.41		≤ 3.49	≤ 4.30
Max. power @ 2 GHz (40°C)	(kW)	≤ 1.63		≤ 2.31	≤ 2.81
Max. power @ 2.2 GHz (40°C)	(kW)	≤ 1.54		≤ 2.18	≤ 2.60
General data					
Temp. range operating	(°C)	-40 / +85		-40 / +85	-40 / +85
Temp. range installation	(°C)	-25 / +60	-20 / +60	-25 / +60	-25 / +60
Typ. weight	(kg/100m)	59.8	65.0	94.0	144.8
Min. bending radius	(mm)	120		200	300