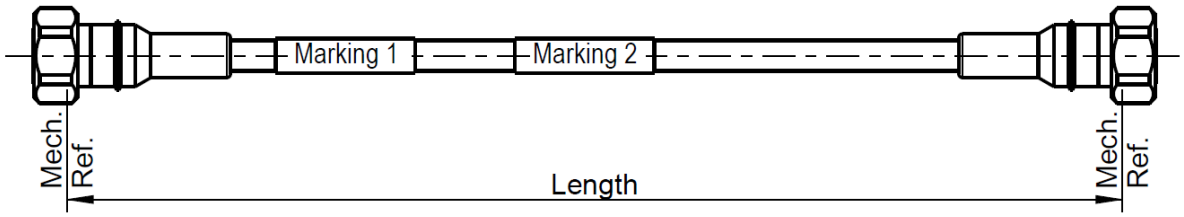
Technical Data Sheet		Rosenberger
1/4” JUMPER	4.3-10 MALE / 4.3-10 MALE	**SLJ14SP-64M64M-X-00**



Function Description

This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/4” super flexible coaxial cable with PE jacket and two 4.3-10 male connectors. The assembly is waterproof in mated condition and UV protected.

Available Variants

The assembly is available in lengths from 0.5 m to 10 m in intervals of 0.5 m. Different feet and inch lengths are available on request.

Assembly Parts

Connectors	4.3-10 male connectors (screw-type) plated with white bronze
Cable	S-Link 1/4”S, PE jacket
Marking 1	Direct print onto the cable or on wrapping label Marking includes manufacturer, part nr. & batch no.
Marking 2	Direct print onto the cable or on wrapping label Marking includes “Rosenberger factory made” Position in the middle of the cable
Bend Protection	Molding material TPE compound or anti-kink sleeve

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Electrical Data

Impedance	50 Ω	
Frequency	DC to 6.0 GHz	
Return loss	L ≤ 10m	L > 10m
450 – 470 MHz	≥ 28 dB	≥ 26 dB
600 – 960 MHz	≥ 28 dB	≥ 26 dB
1.4 – 2.7 GHz	≥ 26 dB	≥ 24 dB
3.4 – 3.8 GHz	≥ 23 dB	≥ 21 dB
5.1 – 6.0 GHz	≥ 21 dB	≥ 19 dB
Insertion loss typ.		
DC – 1.0 GHz	≤ 0.20 dB/m (cable) + 0.01 dB * √f (GHz)	
1.0 – 2.2 GHz	≤ 0.30 dB/m (cable) + 0.01 dB * √f (GHz)	
2.2 – 2.7 GHz	≤ 0.34 dB/m (cable) + 0.01 dB * √f (GHz)	
2.7 – 4.0 GHz	≤ 0.43 dB/m (cable) + 0.01 dB * √f (GHz)	
4.0 – 6.0 GHz	≤ 0.54 dB/m (cable) + 0.01 dB * √f (GHz)	
Intermodulation (3rd order @ 2 x 20 W)	typ.	max.
	≤ -120 dBm	≤ -117 dBm
Relative Velocity of Propagation	83 %	
DC breakdown voltage	2000 V	

Mechanical Data

Coupling torque (recommended)	5 to 8 Nm
Spanner flat on coupling nut	22 mm
Cable diameter, jacket	7.7 mm typ.
Tensile strength	500 N
Recommended hanger spacing	0.6 m
Minimum bend radius single	13 mm*
Minimum bend radius repeated	25 mm*

*Bending starts behind connector incl. the kink protection

Environmental Data

Operation temperature range	-40 °C to +80 °C
Installation temperature range	-25 °C to +60 °C
Degree of protection	IEC 60529, IP68 1 bar for 1 h (mated)
RoHS	compliant

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

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