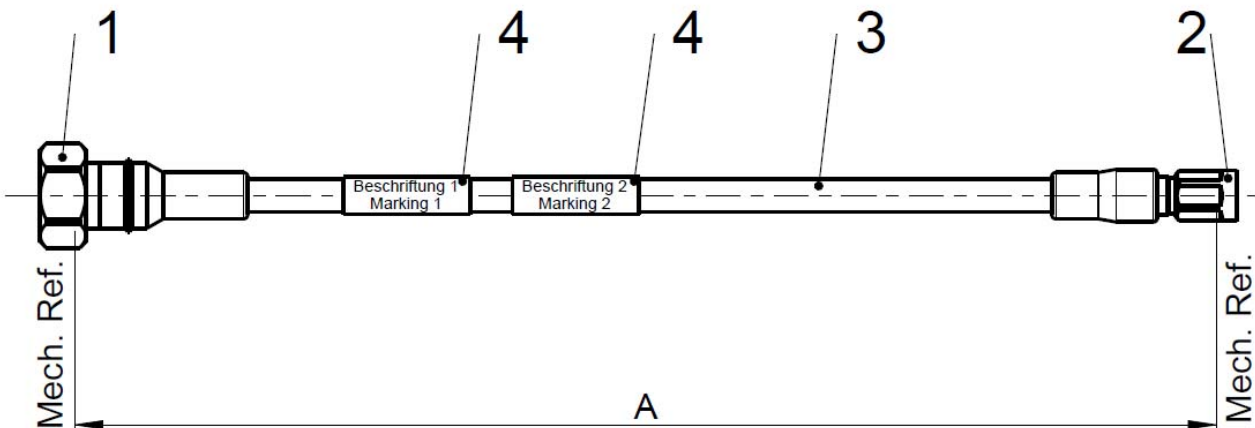


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Technical Data Sheet		Rosenberger
1/4" JUMPER	4.3-10 MALE / NEX10 MALE	SLJ14SP-64M89M-X-00
		
Function Description		
This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/4" super flexible coaxial cable with PE jacket, one 4.3-10 male and one NEX10 male connector. 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		
Connector	4.3-10 male (screw-type) and NEX10 male (screw-type) connector plated with white bronze	
Cable	S-Link 1/4"S, PE jacket	
Marking 1	Direct print onto the cable or one 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	
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Technical Data Sheet

Rosenberger

1/4" JUMPER

4.3-10 MALE / NEX10 MALE

SLJ14SP-64M89M-X-00**Electrical Data**

Impedance	50 Ω	
Frequency	DC to 6.0 GHz	
Return loss	L $\leq$ 10m	L > 10m
450 – 470 MHz	$\geq$ 28 dB	$\geq$ 26 dB
600 – 960 MHz	$\geq$ 28 dB	$\geq$ 26 dB
1.4 – 2.7 GHz	$\geq$ 26 dB	$\geq$ 24 dB
3.4 – 3.7 GHz	$\geq$ 23 dB	$\geq$ 21 dB
5.1 – 6.0 GHz	$\geq$ 21 dB	$\geq$ 19 dB
Insertion loss typ.		
DC – 1 GHz	$\leq$ 0.20 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)	
1 – 2.2 GHz	$\leq$ 0.30 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)	
2.2 – 2.7 GHz	$\leq$ 0.34 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)	
2.7 – 4.0 GHz	$\leq$ 0.43 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)	
4.0 – 6.0 GHz	$\leq$ 0.54 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)	
Intermodulation (3rd order @ 2 x 20 W)	typ.	max.
	$\leq$ -120 dBm	$\leq$ -117 dBm
Relative Velocity of Propagation	83 %	
DC breakdown voltage	2000 V	

Mechanical Data

Coupling torque 4.3-10 (recommended)	5 to 8 Nm
Coupling torque NEX10 (recommended)	1.5 Nm
Spanner flat on coupling nut 4.3-10	22 mm
Spanner flat on coupling nut NEX10	11 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

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Fraunhofer	08.02.17	F. Fraunhofer	04.02.2019	a00	19-s047	Fl. Öllerer	04.02.2019
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0				Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.RosenbergerOnline.us			Page 2 of 2