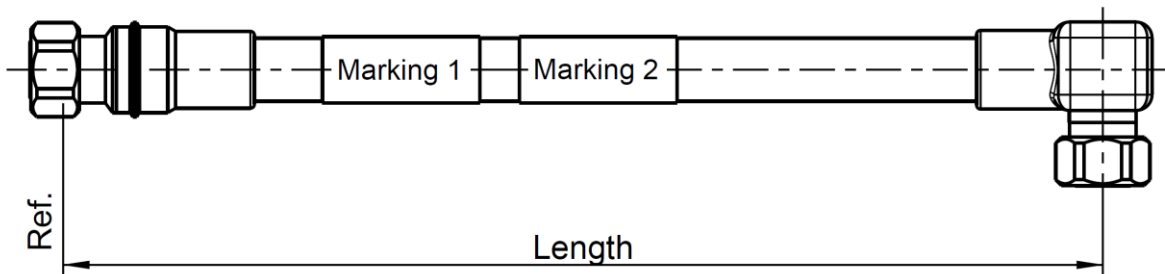


Technical Data Sheet		Rosenberger										
1/2" JUMPER	4.3-10 MALE / 4.3-10 R/A MALE	SLJ12RP-64M64R-X-00										
												
Function Description This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/2" flexible coaxial cable with PE jacket, one 4.3-10 male and one 4.3-10 r/a 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 <table><tr><td>Connectors</td><td>4.3-10 male (screw-type) and 4.3-10 r/a male (screw-type) connector plated with white bronze</td></tr><tr><td>Cable</td><td>S-Link 1/2"R, PE jacket</td></tr><tr><td>Marking 1</td><td>Direct print onto the cable or on wrapping label Marking includes manufacturer, part nr. & batch no.</td></tr><tr><td>Marking 2</td><td>Direct print onto the cable or on wrapping label Marking includes "Rosenberger factory made" Position in the middle of the cable</td></tr><tr><td>Bend Protection</td><td>Molding material TPE compound or anti-kink sleeve</td></tr></table>			Connectors	4.3-10 male (screw-type) and 4.3-10 r/a male (screw-type) connector plated with white bronze	Cable	S-Link 1/2"R, 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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Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Email : info@rosenberger.de Page 1 / 2										

Technical Data Sheet

Rosenberger1/2"
JUMPER4.3-10 MALE / 4.3-10 R/A
MALE**SLJ12RP-64M64R-X-00****Electrical Data**

Impedance	50 Ω		
Frequency	DC to 3.8 GHz		
Return loss	L $\leq$ 10 m	L > 10 m	L > 20 m
380 – 470 MHz	$\geq$ 30 dB	$\geq$ 28 dB	$\geq$ 26 dB
600 – 960 MHz	$\geq$ 30 dB	$\geq$ 28 dB	$\geq$ 26 dB
1.4 – 2.7 GHz	$\geq$ 26 dB	$\geq$ 24 dB	$\geq$ 22 dB
3.4 – 3.8 GHz	$\geq$ 21 dB	$\geq$ 19 dB	$\geq$ 17 dB
Insertion loss typ.			
DC – 1 GHz	$\leq$ 0.08 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)		
1 – 2.2 GHz	$\leq$ 0.13 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)		
2.2 – 2.7 GHz	$\leq$ 0.15 dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)		
2.7 – 3.8 GHz	$\leq$ 0.16 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	88 %		
DC breakdown voltage	2500 V		

Mechanical Data

Coupling torque (recommended)	5 to 8 Nm
Spanner flat on coupling nut	22 mm
Cable diameter, jacket	16 mm typ.
Tensile strength	1100 N
Recommended hanger spacing	0.8 m
Minimum bend radius single	70 mm*
Minimum bend radius repeated	125 mm*
*Bending starts behind connector incl. the kink protection	

Environmental Data

Operation temperature range	-40 °C to +85 °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.

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



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Fraunhofer	23.01.2014	Chr. Janßen	24.09.2020	c00	20-1927	B. Wollitzer	24.09.2020
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2