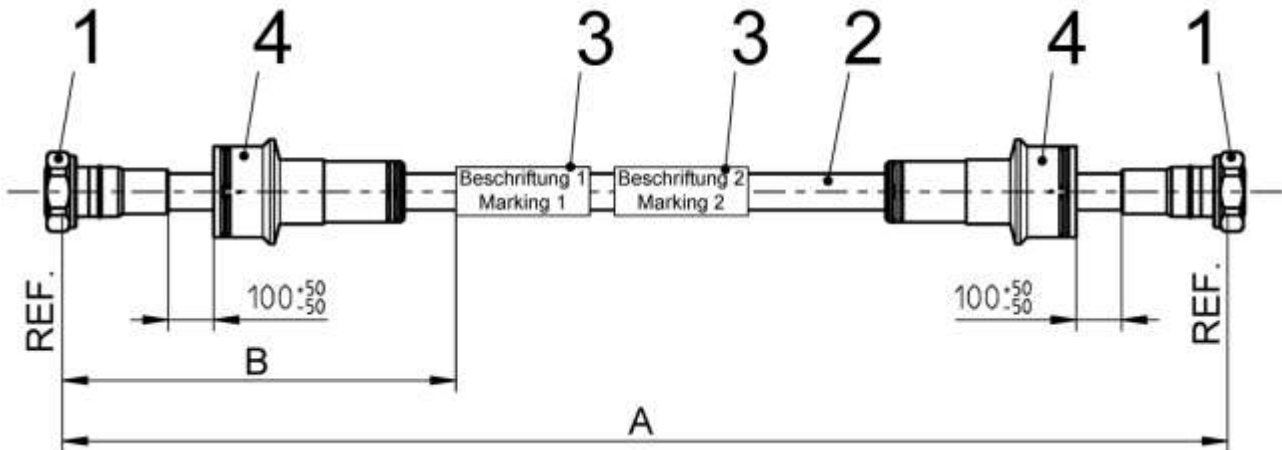


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Technical Data Sheet		Rosenberger
1/2" JUMPER	7-16 MALE / 7-16 MALE	SLJ12RPW-60M60M-X-00
		
Function Description		
This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/2" flexible coaxial cable with PE jacket, two 7-16 male connectors and two Rosenberger Jumper Boots for additional protection of the 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		
Connectors	7-16 male connectors 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	
Protection Boots	Self-lubricating silicone	
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

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Technical Data Sheet				Rosenberger			
1/2" JUMPER		7-16 MALE / 7-16 MALE		SLJ12RPW-60M60M-X-00			
Electrical Data							
Impedance	50 Ω						
Frequency	DC to 3.8 GHz						
Return loss	L ≤ 10 m		L > 10 m		L > 20 m		
380 – 470 MHz	≥ 32 dB		≥ 30 dB		≥ 28 dB		
600 – 960 MHz	≥ 32 dB		≥ 30 dB		≥ 28 dB		
1.4 – 2.7 GHz	≥ 28 dB		≥ 26 dB		≥ 24 dB		
3.4 – 3.8 GHz	≥ 23 dB		≥ 21 dB		≥ 19 dB		
Insertion loss typ.							
DC – 1 GHz	≤ 0.08 dB/m (cable) + 0.01 dB * √f (GHz)						
1 – 2.2 GHz	≤ 0.13 dB/m (cable) + 0.01 dB * √f (GHz)						
2.2 – 2.7 GHz	≤ 0.15 dB/m (cable) + 0.01 dB * √f (GHz)						
2.7 – 3.8 GHz	≤ 0.16 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	88 %						
DC breakdown voltage	2500 V						
Mechanical Data							
Coupling torque (recommended)	25 to 30 Nm						
Spanner flat on coupling nut	32 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.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Wimmer	18.08.2015	F. Fraunhofer	16.01.2020	c00	19-2445	B. Wollitzer	16.01.2020
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