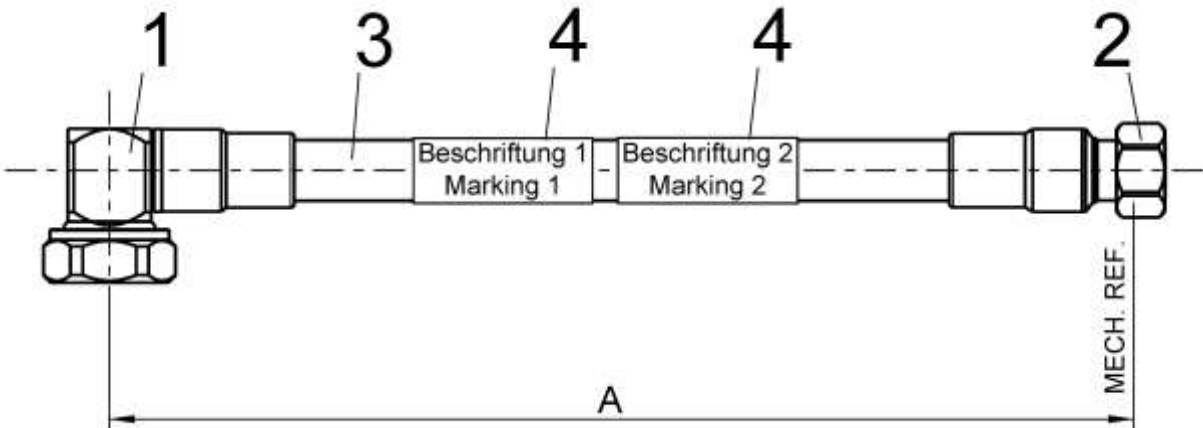


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Technical Data Sheet		Rosenberger
1/2" JUMPER	7-16 R/A MALE / 4.3-10 MALE	SLJ12RP-60R64M-X-00
		
Function Description		
This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/2" flexible coaxial cable with PE jacket, one 7-16 r/a male and one 4.3-10 male (screw-type) 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 r/a male and 4.3-10 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	
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 R/A MALE / 4.3-10 MALE		SLJ12RP-60R64M-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		≥ 30 dB		≥ 28 dB		≥ 26 dB	
600 – 960 MHz		≥ 30 dB		≥ 28 dB		≥ 26 dB	
1.4 – 2.7 GHz		≥ 26 dB		≥ 24 dB		≥ 22 dB	
3.4 – 3.8 GHz		≥ 21 dB		≥ 19 dB		≥ 17 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 7-16 (recommended)		25 to 30 Nm					
Coupling torque 4.3-10 (recommended)		5 to 8 Nm					
Spanner flat on 7-16 coupling nut		32 mm					
Spanner flat on 4.3-10 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.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
F. Fraunhofer	08.10.2014	F. Fraunhofer	15.01.2020	b00	19-2445	B. Wollitzer	15.01.2020
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