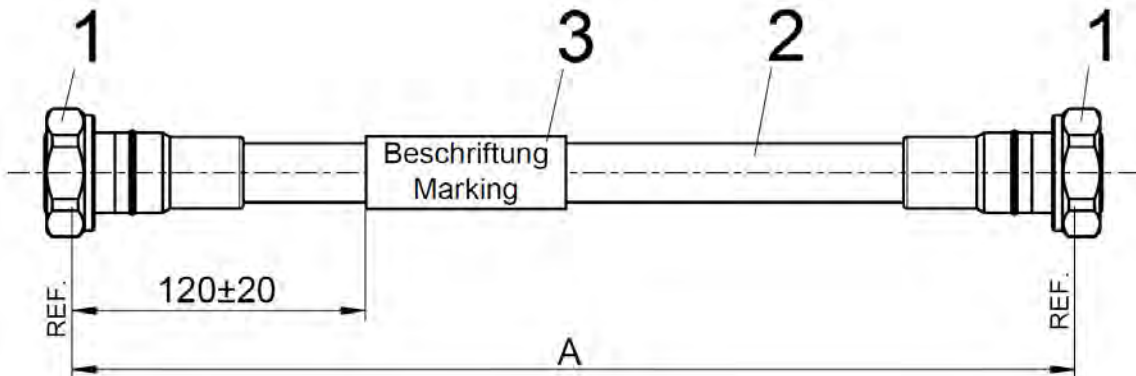


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Technical Data Sheet		Rosenberger Rosenberger Site Solutions, LLC	
½" JUMPER	7-16 MALE / 7-16 MALE	SLJ12RP-60M60M-X-00	
			
Function Description			
This part is a coaxial cable assembly for telecommunication equipment. It consists of ½" flexible coaxial cable with PE jacket and two 7/16 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 length are available on request.			
Assembly Parts			
Connector	7-16 male connectors plated with white bronze		
Cable	S-Link ½"R, PE jacket		
Marking	Direct print 2x onto the cable or one wrapping label Marking includes manufacturer, part nr. & batch no.		
Bend Protection	molding material PE compound		
Electrical Data			
Impedance	50 Ω		
Frequency	DC to 2.7 GHz		
Return loss	length ≤ 5 m		length > 5 m
DC – 1 GHz	≥ 32 dB	≥ 30 dB	
1 – 2.2 GHz	≥ 30 dB	≥ 28 dB	
2.2 – 2.7 GHz	≥ 28 dB	≥ 26 dB	
Insertion loss typ.			
DC – 1 GHz	≤ 0.08 dB/m (cable) + 0.05 dB * √f (GHz)		
1 – 2.2 GHz	≤ 0.13 dB/m (cable) + 0.05 dB * √f (GHz)		
2.2 – 2.7 GHz	≤ 0.15 dB/m (cable) + 0.05 dB * √f (GHz)		
Intermodulation (3rd order)	≤ -117 dBm @ 2 x 20 W @ 900 MHz, 1800 MHz and 2600 MHz		
Relative Velocity of Propagation	88 %		
DC breakdown voltage	2500 V		
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.rlss.us	
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Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

½" JUMPER

7-16 MALE / 7-16 MALE

SLJ12RP-60M60M-X-00

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 20(50)	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

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Wimmer	04.11.2013	E. Schwangler	04.11.2013	100	13-1281	M. Wimmer	04.11.2013
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.rlss.us			Page 2 of 2