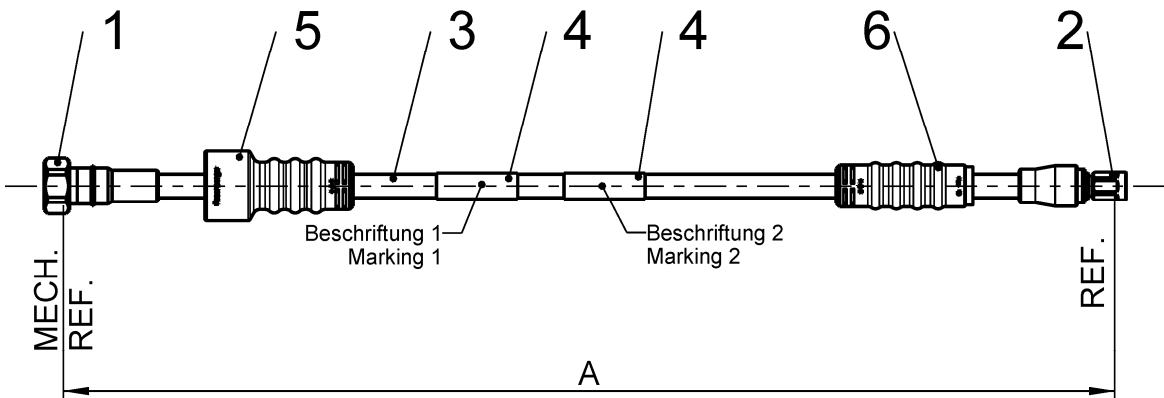


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Technical Data Sheet		Rosenberger
3/8" JUMPER	4.3-10 MALE – NEX10 MALE	SLJ38SPW-64M89M-X-00
		
Function Description		
This part is a coaxial cable assembly for telecommunication equipment. It consists of 3/8" super flexible coaxial cable with PE jacket, one 4.3-10 male, one NEX10 male connector and two Rosenberger Jumper Boots for additional protection of the 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 and inch length are available on request.		
Assembly Parts		
Connector	4.3-10 (screw-type) male and NEX10 male (screw-type) connector plated with white bronze	
Cable	3/8" super flexible, 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	
Protection Boot	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

Technical Data Sheet				Rosenberger			
3/8" JUMPER		4.3-10 MALE – NEX10 MALE		SLJ38SPW-64M89M-X-00			
Electrical Data							
Impedance	50 Ω						
Frequency	DC to 6.0 GHz						
Return loss	Length < 10m			Length ≥ 10m			
450 – 470 MHz	≥ 30 dB			≥ 28 dB			
600 – 960 MHz	≥ 30 dB			≥ 28 dB			
1.4 – 2.7 GHz	≥ 28 dB			≥ 26 dB			
3.4 – 3.7 GHz	≥ 25 dB			≥ 23 dB			
5.1 – 6.0 GHz	≥ 23 dB			≥ 21 dB			
Insertion loss typ.							
450 – 470 MHz	≤ 0.09 dB/m (cable) + 0.01 dB * √f (GHz)						
600 – 960 MHz	≤ 0.14 dB/m (cable) + 0.01 dB * √f (GHz)						
1.4 – 2.7 GHz	≤ 0.24 dB/m (cable) + 0.01 dB * √f (GHz)						
3.4 – 3.7 GHz	≤ 0.29 dB/m (cable) + 0.01 dB * √f (GHz)						
5.1 – 6.0 GHz	≤ 0.39 dB/m (cable) + 0.01 dB * √f (GHz)						
Intermodulation (3rd order @ 2 x 20 W)	typ.			max.			
	≤ -120 dBm			≤ -117 dBm			
DC breakdown voltage	2500 V						
Mechanical Data							
Coupling torque NEX10 (recommended)	1.5 Nm						
Coupling torque 4.3-10 (recommended)	5 to 8 Nm						
Spanner flat on NEX10 coupling nut	11 mm						
Spanner flat on 4.3-10 coupling nut	22 mm						
Cable diameter, jacket	10.2 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. 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
Chr. Janßen	06.03.2019	C. Janßen	12.03.2019	200	19-0497	Fl. Öllerer	12.03.2019
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