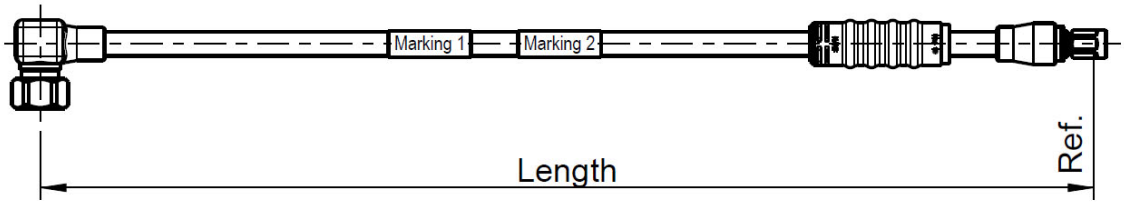
Technical Data Sheet - Draft		Rosenberger
3/8” JUMPER	4.3-10 R/A MALE – NEX10® MALE	**SLJ38SPB-64R89M-X-00**



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 NEX10® straight male connector, one 4.3-10 right angle male connector and one Rosenberger Jumper Boot for additional protection of the straight 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	NEX10® male (screw-type) and 4.3-10 r/a male (screw-type) connector plated with white bronze
Cable	S-Link 3/8”S, 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 Boot	Self-lubricating silicone

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.com

Tel. : +49 8684 18-0
Email : info@rosenberger.com

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	≥ 28 dB	≥ 26 dB	≥ 24 dB
600 – 960 MHz	≥ 28 dB	≥ 26 dB	≥ 24 dB
1.4 – 2.7 GHz	≥ 24 dB	≥ 22 dB	≥ 20 dB
3.4 – 3.8 GHz	≥ 21 dB	≥ 19 dB	≥ 17 dB
Insertion loss typ.			
DC – 1 GHz	≤ 0.14 dB/m (cable) + 0.01 dB * √f (GHz)		
1 – 2.2 GHz	≤ 0.21 dB/m (cable) + 0.01 dB * √f (GHz)		
2.2 – 2.7 GHz	≤ 0.24 dB/m (cable) + 0.01 dB * √f (GHz)		
2.7 – 3.8 GHz	≤ 0.31 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	82 %		
DC Breakdown Voltage	2500V		

Mechanical Data

Coupling torque NEX10® (recommended)	1.5 to 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

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

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