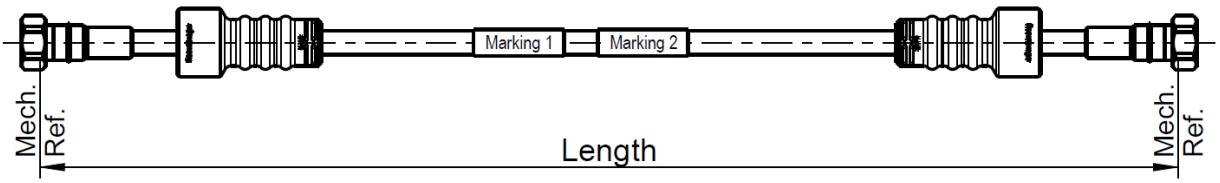
Technical Data Sheet		Rosenberger
3/8” JUMPER	4.3-10 MALE – 4.3-10 MALE	**SLJ38SPW-64M64M-X-00**



Function Description

This part is a coaxial cable assembly for telecommunication equipment. It consists of 3/8” super flexible coaxial cable with PE jacket, two 4.3-10 male connectors 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 lengths are available on request.

Assembly Parts

Connectors	4.3-10 male (screw-type) connectors plated with white bronze
Cable	3/8” super flexible, 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

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3/8” JUMPER	4.3-10 MALE – 4.3-10 MALE	**SLJ38SPW-64M64M-X-00**

Electrical Data

Impedance	50 Ω		
Frequency	DC to 6.0 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	≥ 28 dB	≥ 26 dB	≥ 24 dB
3.4 – 3.8 GHz	≥ 25 dB	≥ 23 dB	≥ 21 dB
5.1 – 6.0GHz	≥ 23 dB	≥ 21 dB	≥ 19 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)		
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	
Relative Velocity of Propagation	82 %		
DC Breakdown Voltage	2000V		

Mechanical Data

Coupling torque (recommended)	5 to 8 Nm
Spanner flat on 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	-30 °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.

Draft	Date	Approved	Date
Chr. Janßen	28.03.2018	F. Fraunhofer	26.10.23

Rev.	Engineering change number	Name	Date
c01	23-0004	F. Fraunhofer	26.10.23

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