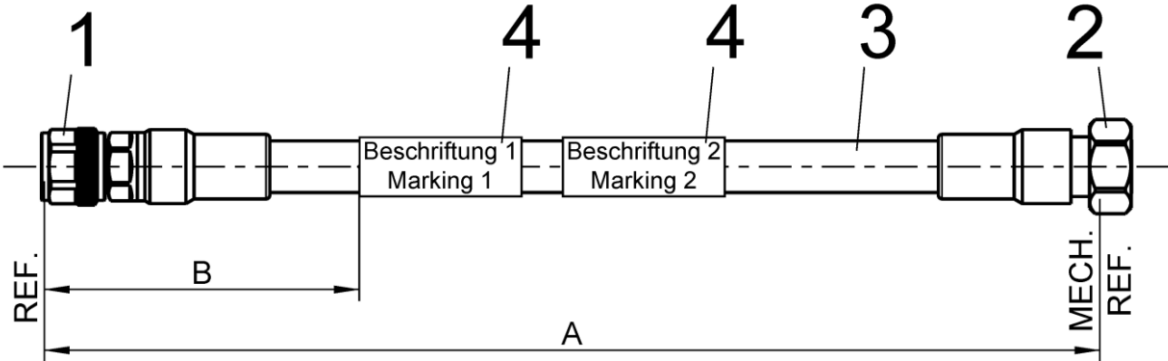


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RF_35/05.10/6.0

Technical Data Sheet		Rosenberger
1/2" JUMPER	N MALE / 4.3-10 MALE	LC08-556-XXX
		
Function Description		
This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/2" super flexible coaxial cable with PE jacket, one N-type male and one 4.3-10 male 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 length are available on request.		
Assembly Parts		
Connector	N male & 4.3-10 male (screw-type) connector plated with white bronze	
Cable	S-Link 1/2"S, 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	
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

Electrical Data

Impedance	50 Ω
Frequency	DC to 6.0 GHz
Return loss	
DC – 1 GHz	≥ 26 dB
1 – 3.4 GHz	≥ 24 dB
3.4 – 3.8 GHz	≥ 21 dB
Insertion loss typ.	
DC – 1 GHz	≤ 0.12 dB/m (cable) + 0.01 dB * √f (GHz)
1 – 2.2 GHz	≤ 0.18 dB/m (cable) + 0.01 dB * √f (GHz)
2.2 – 2.7 GHz	≤ 0.20 dB/m (cable) + 0.01 dB * √f (GHz)
2.7 – 3.4 GHz	≤ 0.22 dB/m (cable) + 0.01 dB * √f (GHz)
3.4 – 3.8 GHz	≤ 0.24 dB/m (cable) + 0.01 dB * √f (GHz)
Intermodulation (3rd order @ 2 x 20 W)	max. ≤ -117 dBm
Relative Velocity of Propagation	83 %
DC breakdown voltage	2500 V

Mechanical Data

Coupling torque N (recommended)	0.7 to 1.1 Nm
Coupling torque 4.3-10 (recommended)	5 to 8 Nm
Spanner flat on N coupling nut	18 mm
Spanner flat on 4.3-10 coupling nut	22 mm
Cable diameter, jacket	13.5 mm typ.
Tensile strength	450 N
Recommended hanger spacing	0.8 m
Minimum bend radius single	25 mm*
Minimum bend radius repeated	35 mm*
*Bending starts behind connector incl. the 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
F. Fraunhofer	12.03.19	F. Fraunhofer	02.04.2019	b00	19-0008	S. Huber-Siegl	02.04.2019
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