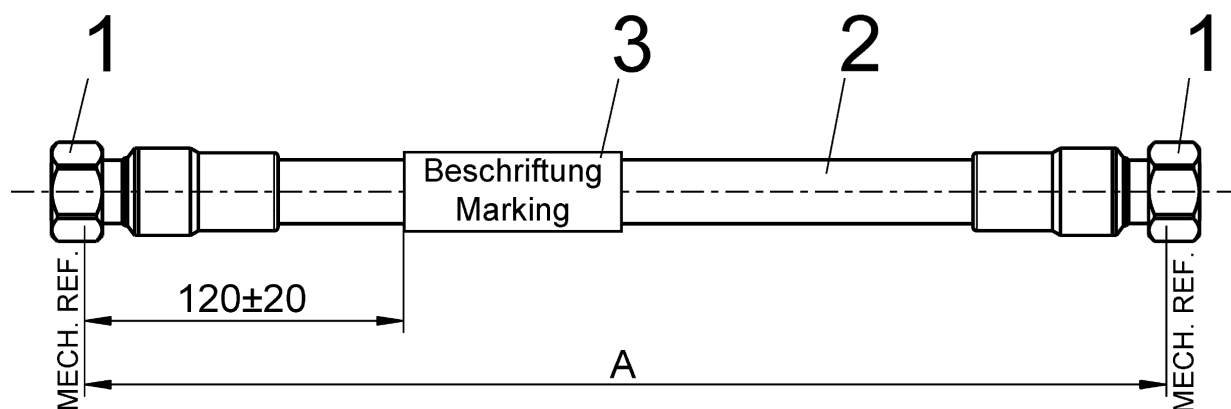




Function Description

This part is a coaxial cable assembly for telecommunication equipment. It consists of ½" flexible coaxial cable with PE jacket and two 4.3-10 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	4.3-10 male (type 1) 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	
DC – 1 GHz	≥ 32 dB
1 – 2.2 GHz	≥ 30 dB
2.2 – 2.7 GHz	≥ 28 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

Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

1/2" JUMPER

4.3-10 MALE / 4-10 MALE

SLJ12RP-64M64M-X-00

Mechanical Data

Coupling torque (recommended)	5 to 8 Nm
Spanner flat on coupling nut	22 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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F. Fraunhofer	22.01.2014	J. Gramsamer	29.01.2014	100	14-0005	Nobis A.	29.01.2014
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