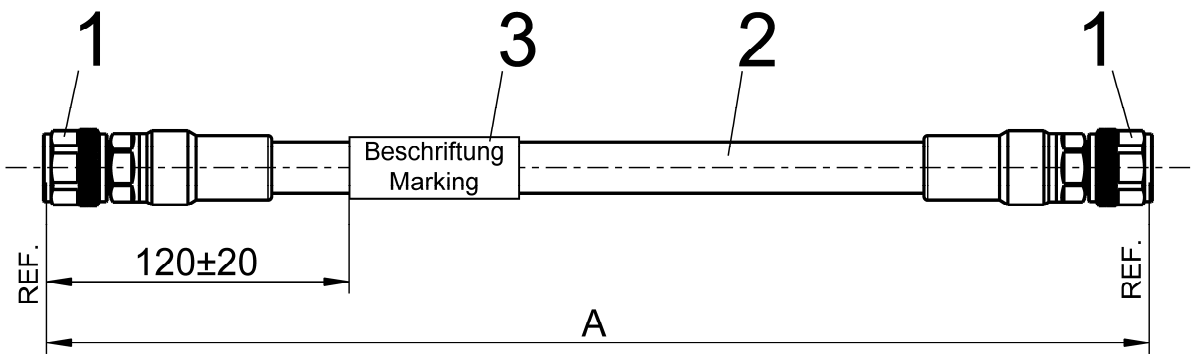


Technical Data Sheet		Rosenberger Rosenberger Site Solutions, LLC
½" JUMPER	N MALE / N MALE	SLJ12SP-53M53M-X-00
		
Function Description		
This part is a coaxial cable assembly for telecommunication equipment. It consists of ½" super flexible coaxial cable with PE jacket and two N male connectors. The 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	N male connectors plated with white bronze	
Cable	S-Link ½"S, 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	
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0		Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.rlss.us
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Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

1/2" JUMPER

N MALE / N MALE

SLJ12SP-53M53M-X-00

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	≤ 0.12 dB/m (cable) + 0.05 dB * $\sqrt{f}$ (GHz)
1 – 2.2 GHz	≤ 0.18 dB/m (cable) + 0.05 dB * $\sqrt{f}$ (GHz)
2.2 – 2.7 GHz	≤ 0.20 dB/m (cable) + 0.05 dB * $\sqrt{f}$ (GHz)
Intermodulation (3rd order)	≤ -117 dBm @ 2 x 20 W
Relative Velocity of Propagation	83 %
DC breakdown voltage	2500 V

Mechanical Data

Coupling torque (recommended)	0.7 to 1.1 Nm
Spanner flat on coupling nut	18 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 20(50)	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
M. Wimmer	04.02.2014	M. Wimmer	10.02.2014	100	14-v093	Fl. Öllerer	10.02.2014
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0				Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.rlss.us			Page 2 of 2