



Function Description

This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/4" super flexible coaxial cable with PE jacket, one 4.3-10 male connector, one NEX10 male connector and two Rosenberger Jumper Boots for additional protection of the 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 length are available on request.

Assembly Parts

Connector	4.3-10 male (screw-type) and NEX10 male (screw-type) connector plated with white bronze
Cable	S-Link 1/4"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
Protection Boot	Self-lubricating Silicone

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG
RF_35/05.10/6.0

Technical Data Sheet				Rosenberger			
1/4" JUMPER		4.3-10 MALE / NEX10 MALE		SLJ14SPW-64M89M-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		≤ 0.20 dB/m (cable) + 0.01 dB * √f (GHz)					
1 – 2.2 GHz		≤ 0.30 dB/m (cable) + 0.01 dB * √f (GHz)					
2.2 – 2.7 GHz		≤ 0.34 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		83 %					
DC breakdown voltage		2000 V					
Mechanical Data							
Coupling torque 4.3-10 (recommended)		5 to 8 Nm					
Coupling torque NEX10 (recommended)		3 to 5 Nm					
Spanner flat on coupling nut 4.3-10		22 mm					
Spanner flat on coupling nut NEX10		11 mm					
Cable diameter, jacket		7.7 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. 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	07.12.2017	F. Fraunhofer	07.12.2017	100	17-0005	M. Wimmer	07.12.2017
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.RosenbergerOnline.us			Page 2 of 2