



**Function Description**

This part is a coaxial cable assembly for telecommunication equipment. It consists of 3/8" super flexible coaxial cable with FRNC jacket, one 7/16 r/a male and one 4.3-10 male connector. The assembly is waterproof in mated condition, fire retardant 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	7-16 r/a male and 4.3-10 male (type 1) connector plated with white bronze
Cable	S-Link 3/8"S, FRNC jacket or Flexline 3/8" S FRNC
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 PE compound with flame retardant

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# Technical Data Sheet

# Rosenberger

3/8"  
JUMPER

7-16 R/A MALE /  
4.3-10 MALE

## SLJ38SF-60R64M-X-00

### Electrical Data

Impedance	50 $\Omega$
Frequency	DC to 2.7 GHz
Return loss	
DC – 1 GHz	$\geq 32$ dB
1 – 2.2 GHz	$\geq 30$ dB
2.2 – 2.7 GHz	$\geq 28$ dB
Insertion loss typ.	
DC – 1 GHz	$\leq 0.14$ dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)
1 – 2.2 GHz	$\leq 0.21$ dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)
2.2 – 2.7 GHz	$\leq 0.24$ dB/m (cable) + 0.01 dB * $\sqrt{f}$ (GHz)
Intermodulation (3rd order @ 2 x 20 W)	typ. max.
	$\leq -120$ dBm $\leq -117$ dBm
DC breakdown voltage	2500 V

### Mechanical Data

Coupling torque 7-16 (recommended)	25 to 30 Nm
Coupling torque 4.3-10 (recommended)	5 to 8 Nm
Spanner flat on 7-16 coupling nut	32 mm
Spanner flat on 4.3-10 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	-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
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