# \_35/05.10/6.0

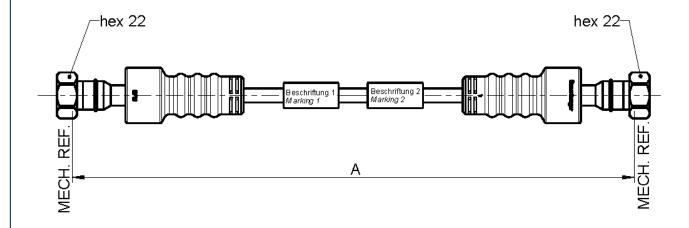
# **Technical Data Sheet - Draft**

# Rosenberger

1/4" JUMPER

4.3-10 MALE / 4.3-10 MALE

SLJ14SPW-64M64M-X-00



## **Function Description**

This part is a coaxial cable assembly for telecommunication equipment. It consists of ¼" super flexible coaxial cable with PE jacket, two 4.3-10 male connectors and two Rosenberger Jumper Boots for additional protection of the 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 and inch length are available on request.

## **Assembly Parts**

Connector 4.3-10 male connectors (screw-type) plated with white bronze

Cable S-Link ¼"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

Tel +49 8684 18-0

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# **Electrical Data**

Impedance  $50 \Omega$ 

Frequency DC to 2.7 GHz

Return loss

 $\begin{array}{lll} DC - 1 \ GHz & \geq 32 \ dB \\ 1 - 2.2 \ GHz & \geq 30 \ dB \\ 2.2 - 2.7 \ GHz & \geq 28 \ dB \end{array}$ 

Insertion loss typ.

 $\begin{array}{ll} DC-1 \; GHz & \leq 0.20 \; dB/m \; (cable) + 0.01 \; dB \; ^* \; \sqrt{f} \; (GHz) \\ 1-2.2 \; GHz & \leq 0.30 \; dB/m \; (cable) + 0.01 \; dB \; ^* \; \sqrt{f} \; (GHz) \\ 2.2-2.7 \; GHz & \leq 0.34 \; dB/m \; (cable) + 0.01 \; dB \; ^* \; \sqrt{f} \; (GHz) \end{array}$ 

Intermodulation (3rd order @ 2 x 20 W) typ. max.

 $\leq$  -120 dBm  $\leq$  -117 dBm

Relative Velocity of Propagation 83 % DC breakdown voltage 2000 V

## **Mechanical Data**

Coupling torque (recommended) 5 to 8 Nm
Spanner flat on coupling nut 22 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	27.07.2015	Chr. Janssen	13.11.2017		100	17-v776	S. Huber-Siegl	13.11.2017
Corporate Head		enberger Site Solutions, LLC						
Rosenberger Hochfrequenztechnik GmbH & Co. KG					P.O	P.O. Box 4268, Lake Charles, LA 70606		Page
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