



All dimensions are in mm

Interface

According to IEC 61169-54

Documents

Assembly instruction MA_1C7-R05

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric

Material

- Spring bronze
- Spring bronze
- Brass
- PTFE

Plating

- Silver Plating
- Silver Plating
- White bronze(e.g. Optalloy®)

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RF_35/09.20/6.3

Technical Data Sheet

Rosenberger

4.3-10

**Straight Jack
(7/8" Leaky Cable)**

R64K1C7-R05B1

Electrical data

Impedance	50 Ω
Frequency	DC to 3.8 GHz
Return loss	≥ 26.4 dB @ DC to 1 GHz ≥ 23.1 dB @ 1 GHz to 2.7 GHz ≥ 20.8 dB @ 2.7 GHz to 3.8 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.0 mΩ
Outer contact resistance	≤ 0.6 mΩ
Working Voltage	500V
Intermodulation (3 rd order)	≥155 dBc (2x43 dBm) @1800MHz

- RL value only valid for the interface

Mechanical data

Mating cycles	≥ 500
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Environmental data

Temperature range	-45 ° C to +85 ° Coperating temperature
Vibration	MIL-STD-202,Meth.204,Cond.A
Shock	MIL-STD-202,Method 213,Test Conditon D
RoHS	compliant

Tooling

Stripping tool	N/A
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Suitable cables

SL 078U RK FRNC

Weight

Weight	125.6 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Liubinke	23.01.24	Fuhao	23.01.24	100	24-m001	Liubinke	23.01.24
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