



This product used for mobile network and telecommunication equipment

Materials and dimension

Inner Conductor Material	Smooth Copper Tube	Ø 9.45mm
Dielectric	Formed PE	Ø 22.8mm
Outer Conductor	Copper Foil	Ø 23.5mm
Jacket	Flame Retardant Non-Corrosive (FRNC), Black, Halogen free	Ø 27.2mm
Ink marking: metric length	RosenbergerSLink™_SL 078U_RK_FRNC_50 Ω _ _ _ _ (DD+MM +SS+YY+NNNNN)_ _ _ _ _ XXXXm	

Documents

Fire resistance	IEC 60332-1
Smoke Index Test Method	IEC 61034
Toxicity Index Test Method	IEC 60754-1; IEC 60754-2

Electrical Specifications

Impedance	50±2Ω
Polarization	Vertical
Velocity	89%
Capacitance	75pF/m
Insulation Resistance	>5000 MΩ .km
DC Breakdown Voltage	10000V
Jacket Spark Test Voltage	8000V
Peak power	91kw
Inner conductor DC-resistance	≤1.65 Ω /km
Outer conductor DC-resistance	≤3.00 Ω /km
Operating Frequency Band	5~1000 MHz
VSWR	≤1.3 75MHz to 150MHz ≤1.3 300MHz to 500MHz ≤1.3 806MHz to 960MHz

Environment Specifications

Installation Temperature	-45°C to +80°C
Operating Temperature	-55°C to +85°C
Installation Temperature	-55°C to +85°C
RoHS	Compliant

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RF_35/05.10/6.0

Technical Data Sheet**Rosenberger**SLink
Cable**SL 7/8" RK FRNC****SL 078U RK FRNC(D)****General Specifications**

Cable Type Radiating mode

Mechanical Specifications

Minimum Bend Radius	
Single Bend	250mm
Multiple Bend	500mm
Bending Moment	14.9 Nm
Minimum Distance to wall	50 mm
Recommended Hanger Spacing	0.8~1.2 m
Tensile Strength	1350 N

Standard Conditions

Attenuation Test Method	IEC 61196-4
Attenuation Tolerance	±5%
Attenuation Ambient Temperature	20°C
Average power, ambient temperature	40°C
Average power, inner conductor temperature	100°C
Coupling Loss Test Method	IEC 61196-4
Coupling Loss Tolerance	±5dB

Performance

Frequency (MHz)	75	100	150	200	300	350	400	450	800	900
Attenuation, dB/100 m	1.30	1.60	1.90	2.20	2.80	3.00	3.30	3.50	4.70	5.00
Coupling Loss (2m), 50%(dB)	60	62	63	66	64	62	65	65	60	58
Coupling Loss (2m), 95%(dB)	70	66	73	74	68	65	69	70	62	61

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	Check	Approved	Date	Rev.	Engineering change number	Name	Date
Feifei	17/03/14				1.0	-----	WG.Z	23/03/16

Rosenberger Hochfrequenztechnik GmbH & Co. KG, Germany
 Tel.: +49 8684 18-0 Fax: +49 8684 18-499
 www.rosenberger.de email: info@rosenberger.de

Rosenberger Asia Pacific Electronic Co., Ltd., China
 Tel.: +86 10 80481995 Fax: +86 10 80497052
 www.rosenbergerap.com
 email: info@rosenbergerap.com

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