

SLink
Cable

SL 7/8"RK FRNC

SL 078U RK FRNC



This product used for mobile network and telecommunication equipment

Materials and dimension

Inner Conductor Material	Copper Tube	Ø 9.45 mm
Dielectric	Foamed PE	Ø 22.8 mm
Outer Conductor	Slotted corrugated copper tube	Ø 23.5 mm
Jacket	Flame Retardant Non Corrosive(FRNC)	Ø 27.2 mm
	Black, Halogen free	
Ink marking: metric length	RosenbergerSLink™_SL 078U_RK_FRNC_50Ω______(DD+MM +SS+YY+NNNNN)______XXXXm	

Documents

Fire resistance	IEC 60332-1-2 IEC 61034-2 IEC 60754-1/-2
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Electrical Specifications

Impedance	50 ± 2 Ω
Capacitance	75 pF/m
Insulation Resistance	≥ 5000 MΩ x km
DC Breakdown Voltage	10000V
Jacket Spark Test Voltage	8000 Vrms
Inner conductor DC-resistance	≤ 1.65 Ω/km
Outer conductor DC-resistance	≤ 2.90 Ω/km
Relative velocity of propagation	89%
Stop Band	1012MHz to 1052MHz & 2025MHz to 2110MHz
Operating Frequency Band	75MHz to 2700MHz
VSWR	≤1.3 800MHz to 960MHz
	≤1.3 1700MHz to 2025MHz
	≤1.3 2110MHz to 2170MHz
	≤1.3 2300MHz to 2700MHz

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Environmental Specifications

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

General Specifications

Cable Type Radiation Mode

Mechanical Specifications

Minimum Bend Radius
 Single Bend 250 mm
 Multiple bend 500 mm
 Bending Moment 14.9N.m
 Minimum Distance To the Wall 50 mm
 Recommended Hanger Spacing 0.8m to 1.2m
 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 ±5 dB

Performance

Frequency [MHz]	75	100	150	700	800	900	1800	2000	2200	2400	2700
max.Attenuation(dB/100m)	1.34	1.54	1.85	4.02	4.12	4.32	6.69	7.41	8.03	8.44	10.92
Coupling loss2m dB(50%)	70	70	78	73	70	69	65	63	63	62	62
Coupling loss2m dB(95%)	79	81	89	77	73	72	68	66	66	65	66

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
huanghuan	24/12/18	JameQiu	heanyang	24/12/18	a2	-----	WW	24/12/18
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		Page 2 / 2

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