

SLink
Cable

1-5/8" R L PE

SL 158R L PE



This product used for mobile network and telecommunication equipment

Material and dimensions

Inner conductor	Corrugated copper tube	Ø 18.0 mm
Dielectric	Foam PE	Ø 42.5 mm
Outer conductor	Corrugated copper(Annularly)	Ø 46.5 mm
Jacket	PE, Black, UV resistant, Halogen free	Ø 49.5 mm
Ink marking: metric length	RosenbergerSLink™_SL 158R_L_PE_50Ω_ _ _ _ (DD+MM +SS+YY+NNNNN) _ _ _ _ XXXXm	

Documents

UV resistance	IEC 60068-2-5:2010
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Electrical Specification

Impedance	50 ± 1 Ω
Relative Velocity of Propagation	90%
Capacitance	75 pF/m
Inductance	0.190 µH/m
Maximum Operating Frequency	2.7 GHz
Cut-off Frequency	2.9 GHz
Peak Power Rating	310 kW
Insulation Resistance	≥ 10 GΩ x km
DC Breakdown Voltage	15000V
Jacket Spark Test Voltage	10000 Vrms

Environmental Specification

Installation Temperature	-40°C to +60°C
Operating Temperature	-55°C to +85°C
Storage Temperature	-70°C to +85°C
RoHS	compliant

Mechanical Specification

Cable weight (nominal)	1055 kg/km
Tensile strength	3500 N
Min. bending radius (single)	300 mm
Min. bending radius (repeated)	510 mm
Number of bends, minimum (typical)	15 (50)
Bending moment	68 Nm
Flat plate crush strength	20 N/mm
Recommended hanger spacing	1.2 m

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Technical Data Sheet

Rosenberger

SLink
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Standard Conditions

Attenuation, Ambient Temperature 20°C
 Average Power, Ambient Temperature 40°C
 Average Power, Inner Conductor Temperature 100°C

Return Loss

Return loss(Band A) ≤ -24dB 800 to 1000MHz
 Return loss(Band B) ≤ -24dB 1700 to 1900MHz
 Return loss(Band C) ≤ -24dB 1900 to 2200MHz
 Return loss(Band D) ≤ -24dB 2200 to 2500MHz
 Return loss(Band E) ≤ -21dB 2500 to 2700MHz

Inter modulation (3rd order, 2x20w) ≤ -117dBm @ 910MHz or 1800MHz (static and dynamic)

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Average Power(KW)
100	0.66	14.50
200	0.96	10.10
300	1.16	7.90
400	1.35	6.88
450	1.44	6.29
800	2.00	4.54
900	2.12	4.24
1000	2.25	4.05
1800	3.16	2.82
2000	3.36	2.68
2200	3.55	2.52
2500	3.84	2.34
2700	4.02	2.07

Maximum attenuation value shall be 105% of the nominal attenuation value
 Other frequencies on request

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	13/12/11				d	16-1212	WG.Z	22/01/16
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