

SLink Cable

SL 1-5/8"R

SL 158R PE



This product used for mobile network and telecommunication equipment

Material and dimensions

Inner conductor	Copper tube	Ø 17.3 mm
Dielectric	Foamed polyethylene (PE)	Ø 43.5 mm
Outer conductor	Annularly corrugated copper tube	Ø 46.5 mm
Jacket	Polyethylene (PE), black UV resistant, halogen free	Ø 50.0 mm

Electrical data

Impedance	50 ± 1 Ω
Relative velocity of propagation	88%
Capacitance	76 pF/m
Inductance	0.190 µH/m
Maximum operating frequency	2.70 GHz
Cut-off frequency	3.0 GHz
Peak power rating	310 kW
Insulation resistance	≥ 10 GΩ x km
DC breakdown voltage	15000V
Jacket spark test voltage	10000 Vrms
Inner conductor DC-resistance	≤ 0.85 Ω/km
Outer conductor DC-resistance	≤ 0.55 Ω/km

*Can provide special cable according to customer's requirement

RF_35/06.07/5.0

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Attenuation values and power ratings

Attenuation, ambient temperature 20°C
 Average power, ambient temperature 40°C
 Average power, inner conductor temperature 100°C

Frequency [MHz]	100	200	300	400	450	800	900	1000	1800	2000	2200	2500
Attenuation, typical [dB/100m]	0.68	0.99	1.23	1.45	1.56	2.18	2.34	2.49	3.57	3.81	4.05	4.41
Mean power [kW]	18.0	11.8	9.46	8.02	7.45	5.33	4.97	4.67	3.26	3.05	2.87	2.64

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

Mechanical data

Cable weight ≈ 1185 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 60 Nm
 Flat plate crush strength 20 N/mm
 Recommended hanger spacing 1.2 m

Additional characteristics

Installation temperature -40°C to +60°C
 Storage temperature -70°C to +85°C
 Operation temperature -55°C to +85°C
 2002/95/EC (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	Checker	Approved	Date	Rev.	Engineering change number	Name	Date
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