

SLink Cable

SL 1/2" S PE

RLCX-SL012S PE



This product used for mobile network and telecommunication equipment

Material and dimensions

Inner conductor	Copper clad aluminium wire	Ø 3.6mm
Dielectric	Foamed polyethylene (PE)	Ø 9.0 mm
Outer conductor	Helically corrugated copper tube	Ø 12.2mm
Jacket	Polyethylene (PE), black UV resistant, halogen free	Ø 13.6mm

Electrical data

Impedance	$50 \pm 1 \Omega$
Relative velocity of propagation	83%
Capacitance	80 pF/m
Inductance	$0.195 \mu\text{H/m}$
Maximum operating frequency	10.2 GHz
Cut-off frequency	13.0 GHz
Peak power rating	16 kW
Insulation resistance	$\geq 10 \text{ G}\Omega \times \text{km}$
DC breakdown voltage	2500V
Jacket spark test voltage	5000 Vrms
Inner conductor DC-resistance	$\leq 2.69 \Omega/\text{km}$
Outer conductor DC-resistance	$\leq 3.54 \Omega/\text{km}$

*Can provide special cable according to customer's requirement

Technical Data Sheet

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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]	3.31	4.84	6.07	7.11	7.59	10.4	11.2	11.8	16.0	17.2	18.2	19.6
Mean power [kW]	3.16	2.17	1.71	1.47	1.38	1.01	0.95	0.89	0.63	0.60	0.56	0.52

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

Mechanical data

Cable weight ≈ 171 kg/km
Tensile strength 750 N
Min. bending radius (single) 25 mm
Min. bending radius (repeated) 35 mm
Number of bends, minimum (typical) 20 (50)
Bending moment 3 Nm
Flat plate crush strength 15 N/mm
Recommended hanger spacing 0.8 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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