

SLink Cable

SL 1/4"S

SL 014S PE



This product used for mobile network and telecommunication equipment

Material and dimensions

Inner conductor	Copper clad aluminium wire	Ø 1.9mm
Dielectric	Foamed polyethylene (PE)	Ø 4.4 mm
Outer conductor	Helically corrugated copper tube	Ø 6.4mm
Jacket	Polyethylene (PE), black UV resistant, halogen free	Ø 7.7mm

Electrical data

Impedance	50 ± 1 Ω
Relative velocity of propagation	83%
Capacitance	80 pF/m
Inductance	0.195 µH/m
Maximum operating frequency	20.4 GHz
Cut-off frequency	25.0 GHz
Peak power rating	6.4 kW
Insulation resistance	≥ 10 GΩ x km
DC breakdown voltage	2000V
Jacket spark test voltage	5000 Vrms
Inner conductor DC-resistance	≤ 9.8 Ω/km
Outer conductor DC-resistance	≤ 6.6 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]	5.95	8.36	10.3	12.4	13.1	17.5	18.5	19.6	26.9	28.5	30.2	32.5
Mean power [kW]	1.15	0.83	0.70	0.55	0.53	0.40	0.37	0.35	0.26	0.24	0.23	0.21

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

Mechanical data

Cable weight ≈ 70 kg/km
 Tensile strength 600 N
 Min. bending radius (single) 13 mm
 Min. bending radius (repeated) 25 mm
 Number of bends, minimum (typical) 20 (50)
 Bending moment 1.5 Nm
 Flat plate crush strength 8 N/mm
 Recommended hanger spacing 0.6 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
Andy	Hongjin	Marshal	07.07.08	a	08-s448	Andy	07.07.08
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