

SLink Cable

SL 1-1/4"R L

SL 114R L PE



This product used for mobile network and telecommunication equipment

Material and dimensions

Inner conductor	Copper tube	Ø 13.1mm
Dielectric	Foamed polyethylene (PE)	Ø 32.2mm
Outer conductor	Annularly corrugated copper tube	Ø 35.8mm
Jacket	Polyethylene (PE), black UV resistant, halogen free	Ø 39.0mm

Electrical data

Impedance	50 ± 1 Ω
Relative velocity of propagation	89%
Capacitance	74 pF/m
Inductance	0.190 µH/m
Maximum operating frequency	3.5 GHz
Cut-off frequency	3.7 GHz
Peak power rating	200 kW
Insulation resistance	≥ 10 GΩ x km
DC breakdown voltage	4600
Jacket spark test voltage	10000 Vrms
Inner conductor DC-resistance	≤ 0.74 Ω/km
Outer conductor DC-resistance	≤ 0.65 Ω/km

*Can provide special cable according to customer's requirement

RF_35/06.07/5.0

SLink Cable

SL 1-1/4"R L

SL 114R L PE

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]	0.82	1.19	1.49	1.74	1.83	2.53	2.71	2.87	4.06	4.33	4.58	4.99
Mean power [kW]	13.4	9.31	7.17	6.03	5.5	3.90	3.70	3.50	2.40	2.30	2.20	2.03

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

Mechanical data

Cable weight ≈ 980 kg/km
 Tensile strength 2500 N
 Min. bending radius (single) 200 mm
 Min. bending radius (repeated) 380 mm
 Number of bends, minimum (typical) 15 (50)
 Bending moment 50 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	
Andy	Hongjin	Marshal	07.07.08	a	08-s448	Andy	07.07.08	
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	