

SLink Cable

SL 7/8" S FRNC

SL 078S FRNC



This product used for mobile network and telecommunication equipment

**Material and dimensions**

Inner conductor	Helically corrugated copper tube	Ø 9.4 mm
Dielectric	Foamed polyethylene (PE)	Ø 22.8 mm
Outer conductor	Annularly corrugated copper tube	Ø 24.9 mm
Jacket	Flame Retardant Non-Corrosive(FRNC),black UV resistant, halogen free	Ø 27.5 mm

**Electrical data**

Impedance	50 ± 1 Ω
Relative velocity of propagation	88%
Capacitance	76 pF/m
Inductance	0.195 μH/m
Maximum operating frequency	4.6 GHz
Cut-off frequency	4.8 GHz
Peak power rating	90 kW
Insulation resistance	≥ 10 GΩ x km
DC breakdown voltage	6000V
Jacket spark test voltage	8000 Vrms
Inner conductor DC-resistance	≤ 2.91 Ω/km
Outer conductor DC-resistance	≤ 1.21Ω/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]	1.29	1.85	2.29	2.67	2.85	3.91	4.15	4.43	6.18	6.56	6.94	7.35
Mean power [kW]	6.58	4.58	3.71	3.18	2.99	2.18	2.05	1.92	1.38	1.30	1.22	1.12

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

**Mechanical data**

Cable weight ≈ 527 kg/km  
 Tensile strength 1100 N  
 Min. bending radius (single) 80 mm  
 Min. bending radius (repeated) 125 mm  
 Number of bends, minimum (typical) 15 (50)  
 Bending moment 13.0 Nm  
 Flat plate crush strength 14.3 N/mm  
 Recommended hanger spacing 1.0 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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