

SLink Cable

SL 3/8"S

SL 038S PE



This product used for mobile network and telecommunication equipment

Material and dimensions

| | | |
|-----------------|--|----------|
| Inner conductor | Copper clad aluminium wire | Ø 2.6mm |
| Dielectric | Foamed polyethylene (PE) | Ø 6.7 mm |
| Outer conductor | Helically corrugated copper tube | Ø 9.1mm |
| Jacket | Polyethylene (PE), black UV resistant, halogen free | Ø 10.2mm |

Electrical data

| | |
|----------------------------------|--------------|
| Impedance | 50 ± 1 Ω |
| Relative velocity of propagation | 82% |
| Capacitance | 81 pF/m |
| Inductance | 0.195 µH/m |
| Maximum operating frequency | 13.4 GHz |
| Cut-off frequency | 16.1 GHz |
| Peak power rating | 11.9 kW |
| Insulation resistance | ≥ 10 GΩ x km |
| DC breakdown voltage | 2500 V |
| Jacket spark test voltage | 5000 Vrms |
| Inner conductor DC-resistance | ≤ 5.3 Ω/km |
| Outer conductor DC-resistance | ≤ 4.4 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] | 4.16 | 5.96 | 7.39 | 8.61 | 9.18 | 12.5 | 13.3 | 14.2 | 19.5 | 20.7 | 21.8 | 23.5 |
| Mean power [kW] | 1.92 | 1.34 | 1.08 | 0.93 | 0.87 | 0.64 | 0.60 | 0.56 | 0.41 | 0.39 | 0.37 | 0.34 |

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

Mechanical data

Cable weight ≈ 125 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 2.0 Nm
 Flat plate crush strength 15 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 |
|--|---------|----------|----------|--|---------------------------|------|---------------|
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