

SLink
Cable

SL 7/8"RK FRNC

SL 078U RK FRNC



This product used for mobile network and telecommunication equipment

Materials and dimension

| | | |
|----------------------------|---|-----------|
| Inner Conductor Material | Copper Tube | Ø 9.45 mm |
| Dielectric | Foamed PE | Ø 22.8 mm |
| Outer Conductor | Slotted corrugated copper tube | Ø 23.5 mm |
| Jacket | Flame Retardant Non Corrosive(FRNC) | Ø 27.2 mm |
| | Black, Halogen free | |
| Ink marking: metric length | RosenbergerSLink™_SL 078U_RK_FRNC_50Ω______(DD+MM +SS+YY+NNNNN)______XXXXm | |

Documents

| | |
|-----------------|---|
| Fire resistance | IEC 60332-1 IEC 61034-2 IEC 60754-1/-2 |
|-----------------|---|

Electrical Specifications

| | |
|----------------------------------|--|
| Impedance | 50 ± 2 Ω |
| Capacitance | 75 pF/m |
| Insulation Resistance | ≥ 5000 MΩ x km |
| DC Breakdown Voltage | 10000V |
| Jacket Spark Test Voltage | 8000 Vrms |
| Inner conductor DC-resistance | ≤ 1.65 Ω/km |
| Outer conductor DC-resistance | ≤ 2.90 Ω/km |
| Relative velocity of propagation | 89% |
| Stop Band | 1012MHz to 1052MHz & 2025MHz to 2110MHz |
| Operating Frequency Band | 75MHz to 2700MHz |
| VSWR | ≤1.3 800MHz to 960MHz ≤1.3 1700MHz to 2025MHz ≤1.3 2110MHz to 2170MHz ≤1.3 2300MHz to 2700MHz |

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RF_35/05.10/6.0

Technical Data Sheet

Rosenberger

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Environmental Specifications

| | |
|--------------------------|------------------|
| Installation Temperature | -45 °C to +80 °C |
| Operating Temperature | -55 °C to +85 °C |
| Storage Temperature | -55 °C to +85 °C |
| RoHS | Compliant |

General Specifications

| | |
|------------|----------------|
| Cable Type | Radiation Mode |
|------------|----------------|

Mechanical Specifications

| | |
|------------------------------|--------------|
| Minimum Bend Radius | |
| Single Bend | 250 mm |
| Multiple bend | 500 mm |
| Bending Moment | 14.9N.m |
| Minimum Distance To the Wall | 50 mm |
| Recommended Hanger Spacing | 0.8m to 1.2m |
| Tensile Strength | 1350 N |

Standard Conditions

| | |
|--|-------------|
| Attenuation Test Method | IEC 61196-4 |
| Attenuation Tolerance | ±5 % |
| Attenuation Ambient Temperature | 20 °C |
| Average power, ambient temperature | 40 °C |
| Average power, inner conductor temperature | 100 °C |
| Coupling Loss Test Method | IEC 61196-4 |
| Coupling Loss Tolerance | ±5 dB |

Performance

| Frequency [MHz] | 75 | 100 | 150 | 700 | 800 | 900 | 1800 | 2000 | 2200 | 2400 | 2700 |
|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| max.Attenuation(dB/100m) | 1.34 | 1.54 | 1.85 | 4.02 | 4.12 | 4.32 | 6.69 | 7.41 | 8.03 | 8.44 | 10.92 |
| Coupling loss2m dB(50%) | 70 | 70 | 78 | 73 | 70 | 69 | 65 | 63 | 63 | 62 | 62 |
| Coupling loss2m dB(95%) | 79 | 81 | 89 | 77 | 73 | 72 | 68 | 66 | 66 | 65 | 66 |

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 | Date | Check | Approved | Date | Rev. | Engineering change number | Name | Date |
| huanghuan | 24/09/15 | Jame Qiu | heanyang | 24/09/15 | a1 | ----- | WG.2 | 24/09/15 |

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