

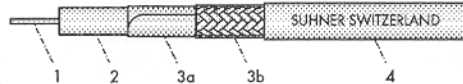


SUHNER® LOW-LOSS COAXIAL CABLE

TYPE: S 07272 B-04

Item: 22512298

Cable design



- | | | | | |
|---|-----------------|---|-------|------------|
| 1 | Inner conductor | Bare copper wire | ..... | ø 2.71 mm |
| 2 | Dielectric | Cellular polyethylene (SPE) | ..... | ø 7.29 mm |
| 3 | Outer conductor | a) Lam. alu-foil, longitudinal, bond to diel. 100% coverage | ..... | ø 7.45 mm |
| | | b) Tinned copper wire braid | ..... | ø 8.10 mm |
| 4 | Jacket | Polyethylene (PE) | ..... | ø 10.20 mm |
| | Print on jacket | SUHNER SWITZERLAND S 07272 B-04 50 Ohm | | |
| | | [date of manufacturing yy/mm] ERICSSON TZC 50032 | | |

Electrical data

- | | | | |
|------------------------------|-----------------|----------------------|---------------------------|
| Typ. operating frequency | ..... | (GHz) | ≤ 5.0 |
| Impedance | ..... | (Ω) | 50 ± 2 |
| Capacitance | ..... | (pF/m) | 81.7 |
| Relative signal propagation | ..... | (%) | 81.7 |
| Signal delay | ..... | (ns/m) | 4.08 |
| Phase stability | vs temperature | ..... | -40 °C ... +70 °C |
| | vs bending | ..... | 360°, ø=100 mm |
| Insulation resistance | ..... | (MΩ·m) | > 10 ⁸ |
| Test voltage | ..... | 50 Hz / 1 min. | (kV _{rms}) 2.10 |
| Max. operating voltage | ..... | (kV _{rms}) | 1.05 |
| Typ. DC resistance | inner conductor | ..... | (Ω/km) |
| | outer conductor | ..... | (Ω/km) |
| Typ. screening effectiveness | ..... | (dB) | - |

General data

- | | | | | |
|---------------------|---------------------------|---|-------|---------------|
| Cable specification | ..... | cable design and materials in accordance with | ..... | 1301-TZC50032 |
| Temperature range | operating | ..... | t °C | -40...+85 |
| | installation | ..... | t °C | -20...+60 |
| Flame propagation | ..... | IEC 332-3 | ..... | n/a |
| Halogen content | ..... | IEC 754 | ..... | passed |
| Typ. Weight | ..... | (kg/100m) | ..... | 13.3 |
| Min. bending radius | for bending once | ..... | (mm) | 100 |
| | for repeated bendings | ..... | (mm) | 150 |
| | for flexible applications | ..... | (mm) | - |

Suitable connectors

Cable group *

* Connectors are available upon request

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 Capacitance

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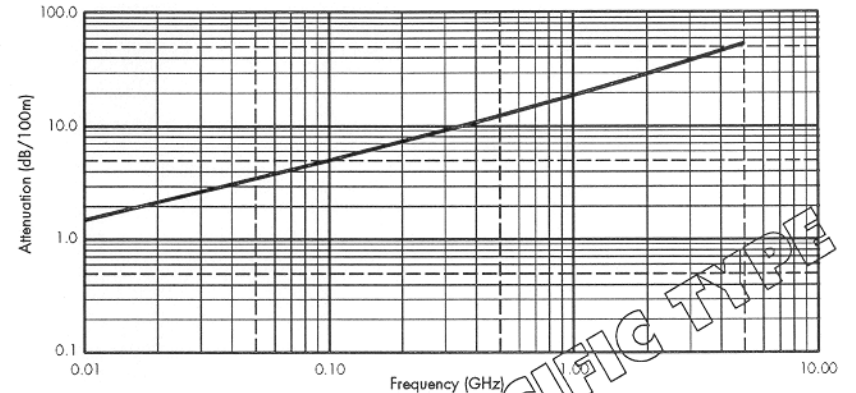
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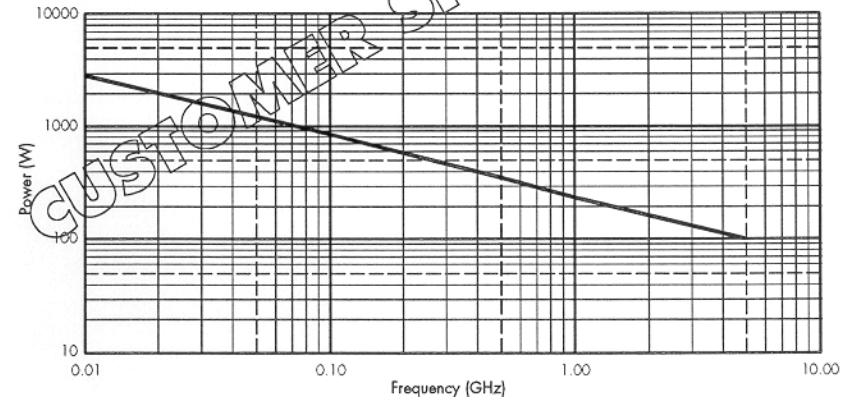
Cable attenuation

Nominal values @ +25 °C ambient temperature



C.W. power handling capability

Maximum values @ +40 °C ambient temperature and sea level, no solar load



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 Capacitance

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