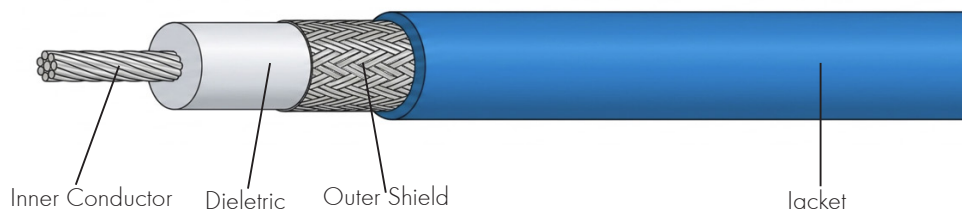


Flexible Coaxial Cable, 50 Ω, LSZH, Single Shielded

RG-178-LSZH



Material And Diameter

| Connector parts | Material | Diameter |
|-----------------|------------------------------------|------------|
| Inner Conductor | Silver-Plated Copper Clad steel | 7/0.102 mm |
| Dielectric | PTFE (Polytetrafluoroethylene) | 0.86 mm |
| Outer Shield | Silver-Plated Copper Wire Braiding | 1.30 mm |
| Jacket | LSZH (Low Smoke Zero Halogen) | 1.90 mm |

Electrical Data

| | |
|--------------------------------|----------------------------|
| Impedance | 50 |
| Frequency | DC to 6 GHz |
| Capacitance | 98 pF/m |
| Velocity of signal propagation | 70 % |
| Signal delay | 4.7 ns/m |
| Insulation resistance | ≥ 1 x 10 ⁸ MΩ·m |
| Screening effectiveness | ≥ 60 dB (up to 1 GHz) |
| Operating voltage | ≤ 0.5 kVrms (@ sea level) |
| Voltage with stand(AC) | 1.5 (1 min) |

Mechanical Data

| | |
|---------------------|-----------------------------------------------------|
| Weight | N/A |
| Min. bending radius | 10 mm (Static) 27 mm (Dynamic) |

Environmental Data

| | |
|--------------------------|-----------------|
| Temperature range | -65°C to +165°C |
| Installation temperature | -20°C to +60°C |
| RoHS | compliant |

Typical Attenuation

| Frequency (GHz) | Typical Attenuation (dB/m) @ 20°C sea level | Typical Attenuation (dB/ft) @ 20°C sea level | Max. CW power (Watt) |
|-----------------|------------------------------------------------|-------------------------------------------------|----------------------|
| 0.1 | 0.58 | 0.18 | 225 |
| 0.4 | 1.05 | 0.32 | 115 |
| 0.9 | 1.58 | 0.48 | 72 |
| 1.0 | 1.68 | 0.51 | 68 |
| 1.8 | 2.24 | 0.68 | 47 |
| 2.4 | 2.59 | 0.79 | 40 |
| 3.0 | 3.76 | 1.15 | 34 |
| 6.0 | 4.13 | 1.26 | 23 |