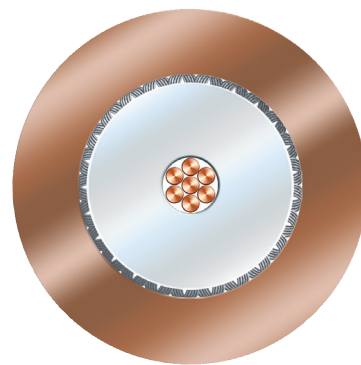


RG 178 B/U 50 Ω

High Temperature Coaxial Cable



Cable Design

| | |
|--------------|---------------------------------|
| Conductor | Stranded copper clad steel wire |
| Stranding | 7/0,10 mm |
| Diameter | Ø 0,30 mm |
| Dielectric | PTFE |
| Diameter | Ø 0,85 mm |
| Braid | Silver plated copper wire |
| Outer Jacket | FEP |
| Diameter | Ø 1,85 mm |

Electrical Data

| | | | |
|---------------------------|-------------|--------|---------|
| Characteristic Impedance | 50±2 | Ohm | |
| Capacitance | 95 | nF/m | |
| Velocity of Propagation | 70 | % | |
| Conductor DCR | 800,5 | Ohm/km | |
| Outer Shield DCR | 47,9 | Ohm/km | |
| Operating Temperature | -55 to +200 | °C | |
| Max. Operating Frequency | 3,000 | MHz | |
| Max. Operating Voltage | 1,000 | V | |
| Corona Extinction Voltage | 1,000 | V rms | |
| Voltage Withstand | 1,000 | V rms | |
| Spark Test | 2,000 | V rms | |
| Attenuation | 10 MHz | 17,90 | dB.100m |
| | 50 MHz | 31,80 | dB.100m |
| | 100 MHz | 44,90 | dB.100m |
| | 200 MHz | 62,00 | dB.100m |
| | 400 MHz | 92,00 | dB.100m |
| | 1000 MHz | 152,0 | dB.100m |
| | 3000 MHz | 280,0 | dB.100m |

