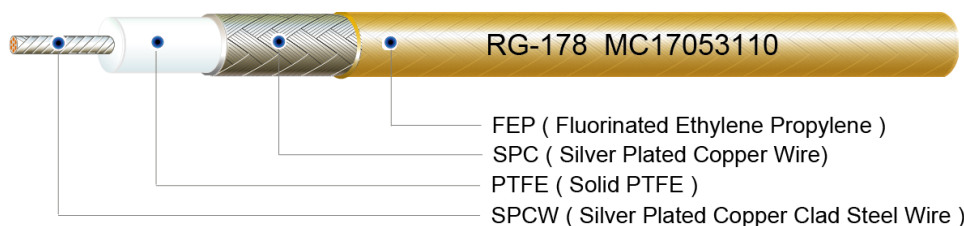


RG-178

Flexible Coaxial Cable



Construction

| Item | Material | Diameter | Remark |
|------------------|----------|------------------------|----------------------|
| Center Conductor | SPCW | 0.31 mm (0.012 inch) | Stranded (7/0.102) |
| Dielectric | PTFE | 0.84 mm (0.033 inch) | Solid |
| Shield | SPC | 1.33 mm (0.052 inch) | Braid |
| Jacket | FEP | 1.80 mm (0.071 inch) | Light Brown |

Electrical & Mechanical Data

| | |
|--------------------------|-------------------|
| Characteristic Impedance | 50 Ω |
| Operating Frequency | 3 GHz (Max.) |
| Velocity of Propagation | 70 % |
| Capacitance | 95 pF/m |
| Operating Temperature | - 55 °C ~ 200 °C |
| Working Voltage | 900 Vrms (Max.) |
| Weight | 8.4 kg / km |
| Min. Bending Radius | 10 mm (Single) |

Attenuation

| Frequency (GHz) | Max. Attenuation | |
|--------------------|------------------|---------|
| | (dB/m) | (dB/ft) |
| 0.10 | 0.46 | 0.140 |
| 0.20 | 0.66 | 0.201 |
| 0.40 | 0.97 | 0.296 |
| 0.50 | 1.10 | 0.335 |
| 1.00 | 1.64 | 0.500 |
| 2.00 | 2.38 | 0.725 |
| 3.00 | 2.99 | 0.911 |