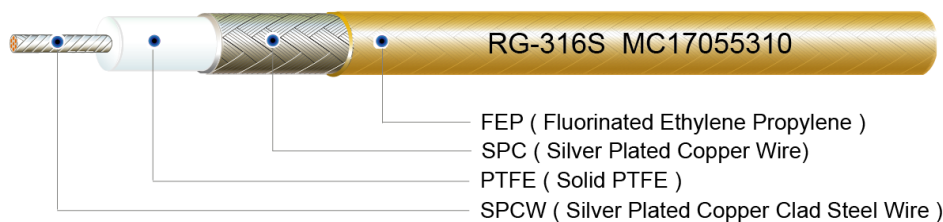


RG-316S



Construction

| Item | Material | Diameter | Remark |
|------------------|----------|------------------------|---------------------|
| Center Conductor | SPCW | 0.51 mm (0.020 inch) | Stranded (7/0.17) |
| Dielectric | PTFE | 1.52 mm (0.060 inch) | Solid |
| Shield | SPC | 2.00 mm (0.079 inch) | Braid |
| Jacket | FEP | 2.50 mm (0.098 inch) | Light Brown |

Electrical & Mechanical Data

| | |
|--------------------------|-------------------|
| Characteristic Impedance | 50 Ω |
| Operating Frequency | 3 GHz (Max.) |
| Velocity of Propagation | 70 % |
| Capacitance | 105 pF/m |
| Operating Temperature | - 55 °C ~ 200 °C |
| Working Voltage | 900 Vrms (Max.) |
| Weight | 16 kg / km |
| Min. Bending Radius | 15 mm (Single) |

Attenuation

| Frequency (GHz) | Max. Attenuation | |
|--------------------|------------------|---------|
| | (dB/m) | (dB/ft) |
| 0.10 | 0.25 | 0.076 |
| 0.20 | 0.36 | 0.110 |
| 0.40 | 0.53 | 0.162 |
| 0.50 | 0.59 | 0.180 |
| 1.00 | 0.87 | 0.265 |
| 2.00 | 1.45 | 0.442 |
| 3.00 | 1.78 | 0.543 |