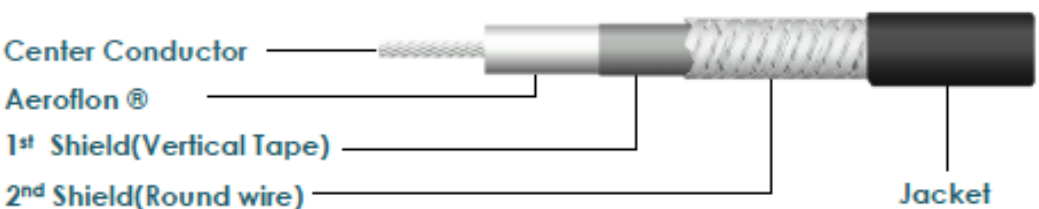


11F8G (DC ~ 8GHz)

Construction



| Part | Material | Diameter | |
|------|--|---------------------------------|---|
| 1 | Center Conductor | Silver Plated Copper [Stranded] | Φ 19 / 0.225 [mm] Φ 19 / 0.0088 [inch] |
| 2 | Dielectric | Aeroflon ® [Extruded] | |
| 3 | 1 st / 2 nd Shield | Mylar tape & Copper wire | |
| 4 | Jacket | FEP | Φ 4.90 \pm 0.1 [mm] Φ 0.193 \pm 0.003 [inch] |

Electrical & Mechanical specification

| | |
|-----------------------------|--------------------------------------|
| Characteristic Impedance | 50 \pm 1 Ω |
| Operating Frequency | DC to 8 GHz |
| Temperature | -50 $^{\circ}$ C ~ +135 $^{\circ}$ C |
| Velocity of Propagation | 77% nominal |
| Minimum Bend Radius | 25 mm / 0.98 inch |
| Weight [g/m] | 53.3 |
| Shielding Effectiveness | <-100 dB |
| Phase Stability vs. Flexure | 2 $^{\circ}$ max. @8GHz |
| Loss Stability vs. Flexure | Δ 0.05dB to 8GHz |
| Available Connector | SMA / N |

| | |
|---|-----------|
| Connector 1 | SMAMST |
| Connector 2 | SMAMST |
| Insertion Loss Typ. (@ Max Freq.) | 1.27 dB/m |
| Insertion Loss Guarantee (@ Max Freq.) | 1.38 dB/m |

Microwave Cable

DC ~ 8GHz phase stable cable