



- ◆ Specification ----- meet to MIL-C-17/129-RG401
- ◆ Continuous working voltage ----- Max. 3000Vrms
- ◆ Operating temperature range ----- -40°C ~ 125°C

Construction

| Item | Material | Diameter | Remark |
|------------------|----------|---------------------|---------------|
| Center conductor | SPC | 1.628mm (0.064inch) | Solid |
| Dielectric | PTFE | 5.31mm (0.209inch) | Solid |
| Braid | BC | 6.35mm (0.250inch) | 100% Coverage |

BC : Bare Copper Tube

Electrical Data

| Item | Specification | Remark |
|--------------------------|--------------------------|-----------|
| Operating frequency | Max. 18 GHz | |
| Dielectric resistance | Min. 1000 M Ω .km | at 20°C |
| Test voltage | 7500Vrms | 1 min |
| Velocity of propagation | Nom. 69.5 % | |
| Capacitance | Max. 29.6 pF/ft | |
| Characteristic impedance | 50 \pm 2 Ω | |
| Approx. weight | 147.0 kg/km | |
| Max. attenuation | 4.5dB/100ft (0.15dB/m) | at 400MHz |
| | 7.5dB/100ft (0.25dB/m) | at 1GHz |
| | 11.0dB/100ft (0.36dB/m) | at 3GHz |
| | 33.0dB/100ft (1.08dB/m) | at 10GHz |
| | 48.0dB/100ft (1.57dB/m) | at 18GHz |