

Cable Type : SF-047

Description: Unjacketed Semi Flexible (Hand Formable) 047 Size

Specification: ----- Mil-C-17/151 Type



| CONSTRUCTION | | | | |
|--------------|------------------|----------|---------------|---------------------|
| NO | ITEM | MATERIAL | DIAMETER | REMARK |
| ① | CENTER CONDUCTOR | SPCW | 0.29 ± 0.02mm | |
| ② | DIELECTRIC | PTFE | 0.92 ± 0.03mm | SOLID |
| ③ | OUTER SHIELD | TC | 1.19 ± 0.05mm | Braid/100% COVERAGE |

* SPCW : Silver Plated Copper clad steel Wire

* PTFE : Polytetrafluoroethylene

* TC : Tinned Copper

| ELECTRICAL DATA | | | | |
|------------------------------|--|---------------------------|----------------------------|------------|
| ITEM | | SPECIFICATION | | |
| Operating frequency | | Max. 20 GHz | | |
| Conductor resistance | | Max. 20.9 Ω / 100ft (20℃) | | |
| Dielectric resistance | | Min. 1000 MΩ .km (20℃) | | |
| Test voltage | | 2000Vrms (1min) | | |
| Velocity of propagation | | Nom. 69.5% | | |
| Capacitance | | Max. 32 pF/ft | | |
| Characteristic impedance | | 50 ± 3Ω | | |
| Approx. weight | | 5.7 kg/km | | |
| Operating Temperature rating | | -55℃ ~ 200℃ | | |
| Bending Radius | | 3.2 mm | | |
| Maximum Attenuation | | 500 MHz | 23.1 dB/100ft (0.75 dB/M) | 17.7 Watts |
| | | 1 GHz | 33.4 dB/100ft (1.09 dB/M) | 11.9 Watts |
| | | 5 GHz | 79.3 dB/100ft (2.60 dB/M) | 5.1 Watts |
| | | 10 GHz | 114.5 dB/100ft (3.75 dB/M) | 3.5 Watts |
| | | 20 GHz | 168.2 dB/100ft (5.51 dB/M) | — |