



SM 250 CABLE

.250 Semi- Flexible cable offers the best shielding performance with a socked tinned Copper Shielding and Solid Conductor at 0 ~ 18 GHz. It is Commonly equipped with SMA RF Connector for testing adaptor purpose or for high performance device like splitter.

| Construction | | |
|------------------|---------------------|---------|
| Center Conductor | Solid Silver Plated | 1.67 mm |
| Dielectric | PTFE | 5.24 mm |
| Outer Conductor | Copper, Tin plated | 6.3 mm |
| Jacket | FEP | 6.8 mm |

| Electrical Characteristics | |
|--------------------------------|--------------------------|
| Operating Frequency | Up to 18 GHz |
| Impedance | 50 Ω |
| Capacitance | 95 pF/m |
| Velocity of signal propagation | 71 % |
| Signal delay | 4.7 ns/m |
| Insulation resistance | ≥ 1 x 10 power 8 MΩm |
| Min. screening effectiveness | > 100 dB (up to 18 GHz) |
| Max. operating voltage | 3.5 kVrms (at sea level) |
| Test voltage | 7.5 kVrms (50 Hz/1 min) |
| Weight | 13.8 kg/100 m |
| Min. bending radius (static) | 30 mm |
| Min. bending radius (repeated) | 120 mm |
| Temperature range | -65 °C ~ + 165 °C |
| RoHS | compliant |

| Frequency (GHz) | Attenuation | |
|-----------------|-------------|-------|
| | dB/m | dB/ft |
| 0.9 | 0.23 | 0.070 |
| 1.8 | 0.34 | 0.104 |
| 2.7 | 0.43 | 0.131 |
| 3.6 | 0.51 | 0.155 |
| 4.5 | 0.58 | 0.177 |
| 5.4 | 0.66 | 0.201 |
| 6.3 | 0.72 | 0.219 |
| 7.2 | 0.79 | 0.241 |
| 8.1 | 0.85 | 0.259 |
| 9.0 | 0.91 | 0.277 |
| 9.9 | 0.97 | 0.296 |
| 10.8 | 1.02 | 0.311 |
| 11.7 | 1.08 | 0.329 |
| 12.6 | 1.14 | 0.347 |
| 13.5 | 1.19 | 0.363 |
| 14.4 | 1.24 | 0.378 |
| 15.3 | 1.30 | 0.396 |
| 16.2 | 1.35 | 0.411 |
| 17.1 | 1.40 | 0.427 |
| 18.0 | 1.45 | 0.442 |