

UT-034-25-TP

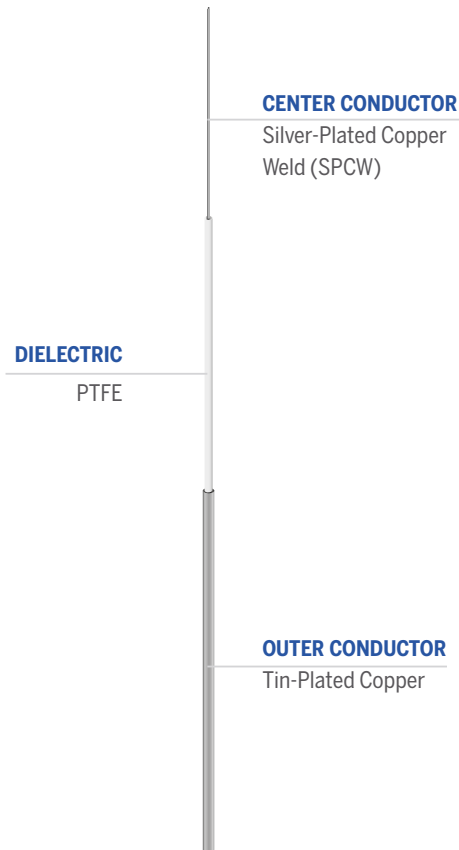
Semi-Rigid Coaxial Cables



Micro-Coax's specialized impedance semi-rigid cables—with impedances from 5 to 100Ω and diameters from 0.020 to 0.250 inches—are an ideal solution for any impedance matching requirement.

| | | |
|---|---|--|
|  Impedance 25 Ohms |  Operating Temperature -55°C to +150°C |  RoHS Compliant |
|---|---|--|

Details and Materials



Dimensions

| | | |
|---------------------------|----|--------|
| Outer Conductor Diameter | in | 0.034 |
| | mm | 0.863 |
| Center Conductor Diameter | in | 0.0126 |
| | mm | 0.3200 |
| Length (Maximum) | ft | 15 |
| | m | 4.57 |

Mechanical Characteristics*

| | | |
|---------------------------------|-----------|-------|
| Outer Conductor Integrity Temp. | °C | 175 |
| Inside Bend Radius (Minimum) | in | 0.050 |
| | mm | 1.270 |
| Weight | lbs/100ft | 0.28 |
| | kg/100m | 0.42 |

Electrical Characteristics*

| | | |
|-----------------------------|-------------|-------|
| Capacitance | pF/ft | 58.0 |
| | pF/m | 190.0 |
| Corona Extinction Voltage | VRMS @60 Hz | 400 |
| Voltage Withstanding | VRMS @60 Hz | 1200 |
| Higher Order Mode Frequency | GHz | 148.0 |

Power (@ 20 °C, Maximum)

| GHz | Watts Cw |
|------|----------|
| 0.5 | 25.4 |
| 1.0 | 17.9 |
| 5.0 | 7.9 |
| 10.0 | 5.6 |
| 18.0 | 4.1 |
| 26.5 | 3.4 |
| 40.0 | 2.7 |
| 50.0 | 2.4 |
| 65.0 | 2.1 |
| 90.0 | 1.8 |

Attenuation (Typical)

| GHz | dB/100 ft |
|------|-----------|
| 0.5 | 49.9 |
| 1.0 | 70.7 |
| 5.0 | 160.5 |
| 10.0 | 229.4 |
| 18.0 | 311.6 |
| 26.5 | 382 |
| 40.0 | 475.5 |
| 50.0 | 536 |
| 65.0 | 617.7 |
| 90.0 | 738.1 |

* Applicable at room temperature. Contact for performance over temperature range.

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