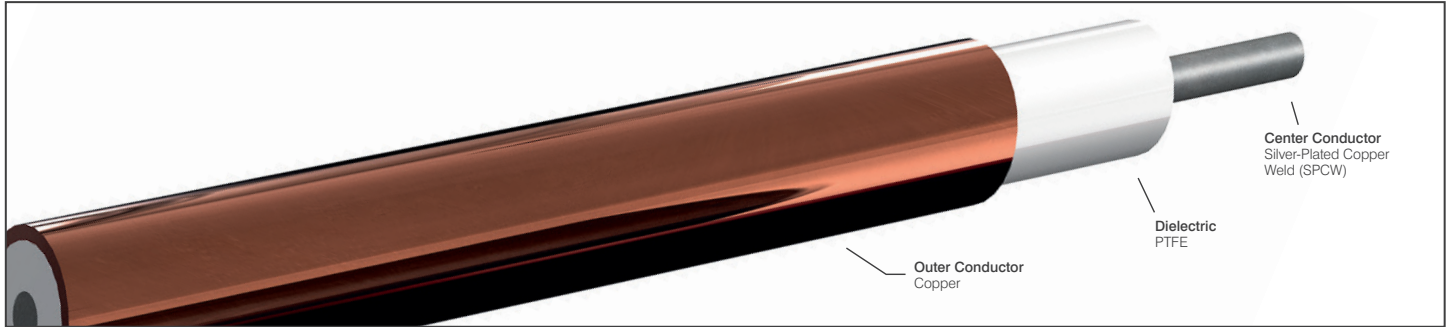


Semi-Rigid Coaxial Cables

P/N UT-034-95 | 95 Ω Copper Outer Conductor

INTRODUCTION



With impedances from 5 to 100 Ω and diameters from 0.020 to 0.250", our odd-impedance semi-rigid cables are the right solution for any impedance-matching requirement.

DIMENSIONS

| | | |
|---------------------------|-------|---------------|
| Outer Conductor Diameter | in | 0.034 ± 0.001 |
| | mm | 0.864 ± 0.025 |
| Center Conductor Diameter | in | 0.0028 |
| | mm | 0.0711 |
| Length (Maximum) | Feet | 15 |
| | Meter | 4.57 |

MATERIALS

| | |
|-------------------------|--------|
| Outer Conductor | Copper |
| Outer Conductor Plating | None |
| Dielectric | PTFE |
| Center Conductor | SPCW |
| RoHS Compliant | ✓ |

MECHANICAL CHARACTERISTICS*

| | | |
|---------------------------------|-------------|-------|
| Outer Conductor Integrity Temp. | °C | 150 |
| Operating Temperature (Max) | °C | 125 |
| Inside Bend Radius (Minimum) | in | 0.050 |
| | mm | 1.270 |
| Weight | lbs / 100ft | 0.19 |
| | kg / 100m | 0.29 |

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

ELECTRICAL CHARACTERISTICS*

| | | |
|--------------------------------------|--------------|-------|
| Characteristic Impedance | ohm | 95 |
| Capacitance | pF / ft | 15.3 |
| | pF / m | 50.1 |
| Corona Extinction Voltage | VRMS @ 60 Hz | 900 |
| Voltage Withstanding | VRMS @ 60 Hz | 2700 |
| Higher Order Mode Frequency | GHz | 177.0 |
| Attenuation (Db / 100 Ft Typical) | @ 0.5 GHz | 42.5 |
| | @ 1.0 GHz | 60.4 |
| | @ 5.0 GHz | 137.4 |
| | @ 10.0 GHz | 196.7 |
| | @ 18.0 GHz | 267.7 |
| | @ 26.5 GHz | 328.7 |
| | @ 40.0 GHz | 410.1 |
| | @ 50.0 GHz | 462.8 |
| Power (Watts Cw @ 20 °C, Maximum) | @ 65.0 GHz | 534.4 |
| | @ 90.0 GHz | 640 |
| | @ 0.5 GHz | 28.2 |
| | @ 1.0 GHz | 19.9 |
| | @ 5.0 GHz | 8.8 |
| | @ 10.0 GHz | 6.1 |
| | @ 18.0 GHz | 4.5 |
| | @ 26.5 GHz | 3.7 |
| | @ 40.0 GHz | 3 |
| | @ 50.0 GHz | 2.6 |
| @ 65.0 GHz | 2.3 | |
| @ 90.0 GHz | 1.9 | |