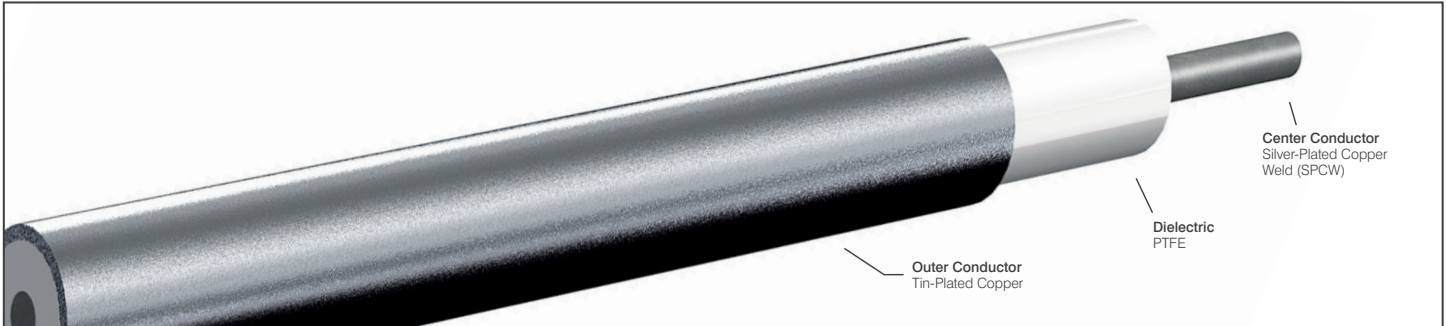


Semi-Rigid Coaxial Cables

P/N UT-020-13-TP | 13 Ω Tin-Plated 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 | 0.023 + 0.002 /-0.001 |
| | mm | 0.584 + 0.051 /-0.025 |
| Center Conductor Diameter | in | 0.0126 |
| | mm | 0.3200 |
| Length (Maximum) | Feet | 10 |
| | Meter | 3.05 |

MATERIALS

| | |
|-------------------------|--------|
| Outer Conductor | Copper |
| Outer Conductor Plating | Tin |
| Dielectric | PTFE |
| Center Conductor | SPCW |
| RoHS Compliant | ✓ |

MECHANICAL CHARACTERISTICS*

| | | |
|---------------------------------|-------------|-------|
| Outer Conductor Integrity Temp. | °C | 125 |
| Operating Temperature (Max) | °C | 100 |
| Inside Bend Radius (Minimum) | in | 0.050 |
| | mm | 1.270 |
| Weight | lbs / 100ft | 0.13 |
| | kg / 100m | 0.20 |

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

ELECTRICAL CHARACTERISTICS*

| | | |
|-----------------------------------|--------------|--------|
| Characteristic Impedance | ohm | 13 |
| Capacitance | pF / ft | 111.6 |
| | pF / m | 366.0 |
| Corona Extinction Voltage | VRMS @ 60 Hz | 200 |
| Voltage Withstanding | VRMS @ 60 Hz | 250 |
| Higher Order Mode Frequency | GHz | 178.0 |
| Attenuation (Db / 100 Ft Typical) | @ 0.5 GHz | 112.2 |
| | @ 1.0 GHz | 158.9 |
| | @ 5.0 GHz | 357.5 |
| | @ 10.0 GHz | 508 |
| | @ 18.0 GHz | 685.4 |
| | @ 26.5 GHz | 835.5 |
| | @ 40.0 GHz | 1032.7 |
| | @ 50.0 GHz | 1159 |
| Power (Watts Cw @ 20 °C, Maximum) | @ 65.0 GHz | 1328.1 |
| | @ 90.0 GHz | 1574 |
| | @ 0.5 GHz | 5.4 |
| | @ 1.0 GHz | 3.8 |
| | @ 5.0 GHz | 1.7 |
| | @ 10.0 GHz | 1.2 |
| | @ 18.0 GHz | 0.9 |
| | @ 26.5 GHz | 0.7 |
| | @ 40.0 GHz | 0.6 |
| | @ 50.0 GHz | 0.5 |
| @ 65.0 GHz | 0.5 | |
| @ 90.0 GHz | 0.4 | |