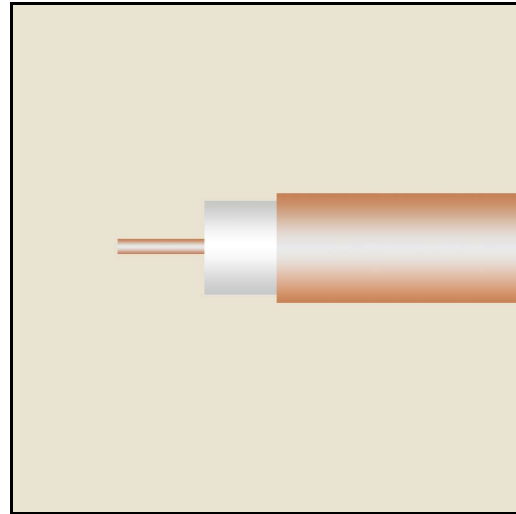


Product Features

P1CB-050-085-CUSW-P is a Semi-Rigid RF Cable, 50 Ohm, 0.085 inch diameter, bare copper outer conductor.



Electrical Specification: T_{Ambient} = 25° C

| Parameter | Frequency Range | Units | Min | Typical | Max | Notes |
|-----------|-----------------|-------|-----|---------|-----|-------|
| Impedance | | | | 50.00 | | |

Mechanical And Environmental Specifications:

| Parameter | Description | Notes |
|-----------------|-------------|-------|
| RoHS Compliance | Yes | |

Drawing

| DIMENSIONS | | | |
|---|--------------|---------------|-------|
| Center Conductor Diameter (inch) | | 0.0201±0.0005 | |
| (mm) | | 0.51 ± 0.0127 | |
| Dielectric Diameter (inch) | | 0.0654±0.001 | |
| (mm) | | 1.66 ±0.0254 | |
| Outer Conductor Diameter (inch) | | 0.0850±0.001 | |
| (mm) | | 2.16 ±0.0254 | |
| MATERIAL SPECIFICATIONS | | | |
| Outer Conductor | | Bare Copper | |
| Dielectric | | PTFE | |
| Center Conductor | | SPCW | |
| ELECTRICAL CHARACTERISTICS | | | |
| Impedance | | 50±1.5 | |
| Capacitance (Nominal) (pF/ft) | | 29.0 | |
| (pF/m) | | 95.1 | |
| Corona Extinction Voltage (VRMS 60Hz) | | 1500 | |
| Voltage Withstanding (VRMS 60Hz) | | 5000 | |
| Cut off Frequency (GHz) | | 61 | |
| Typical Attenuation Average Power (Watts CW) at 20°C and Sea Level | Attenuation | | Power |
| | dB/ 100Ft | dB/ 100M | |
| 0.5GHz | 13.6 | 44.6 | 232.0 |
| 1GHz | 19.5 | 64 | 162.4 |
| 5GHz | 45.9 | 150.6 | 69.8 |
| 10GHz | 67.5 | 221.4 | 47.9 |
| 20GHz | 100.3 | 329 | 32.6 |

Graph

RF Semi-Rigid Cable, 50 Ohms, 0.085 inch, bare copper outer conductor. Priced and shipped in 1 meter lengths.

| MECHANICAL CHARACTERISTICS | |
|-----------------------------------|-------|
| Max. Operating Temperature (°C) | 125 |
| Min. Inside Bend Radius | |
| (inch) | 0.050 |
| (mm) | 1.27 |
| Weight | |
| (g/Ft) | 6.1 |
| (g/M) | 20 |

Product Notes