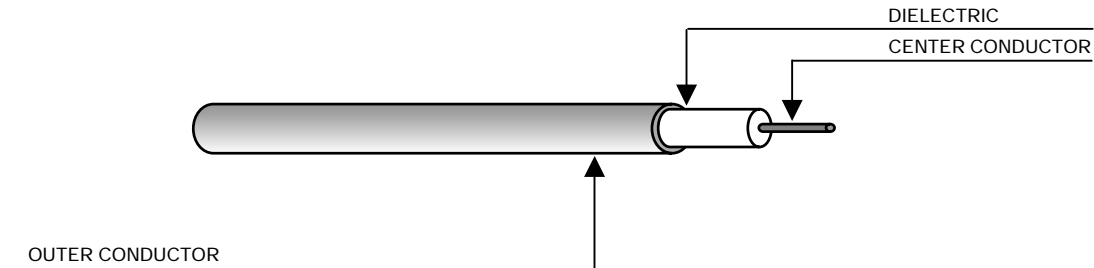




YET-085/50-TP

Description: Copper Jacketed Semi Rigid 085 Size 50 Ohm Tin Plated

Specification: -----Mil-C-17/133



CONSTRUCTION

| | ITEM | MATERIAL | DIAMETER | REMARK |
|--|------------------|----------|--------------|--------------------|
| | CENTER CONDUCTOR | SPCW | 0.51±0.005mm | |
| | DIELECTRIC | PTFE | 1.68±0.030mm | SOLID |
| | OUTER CONDUCTOR | TC | 2.20±0.025mm | TUBE/100% COVERAGE |

* SPCW: Silver Plated Copper clad steel Wire

* PTFE: PolyTetraFluorEthylene

* TC: Tinned Copper

ELECTRICAL DATA

| ITEM | SPECIFICATION | | |
|---------------------------|-------------------------------|-----------------|---------------|
| BEND RADIUS | 3.5 mm (min.) | | |
| CONDUCTOR RESISTANCE | 64.25 Ohms/Mft at 20 (max.) | | |
| CAPACITANCE | 95.1 pF/m (29.0 pF/ft) (nom.) | | |
| CHARACTERISTIC IMPEDANCE | 50 +/- 2 ohms | | |
| CORONA EXTINCTION VOLTAGE | 1,500 vrms @ 60 Hz | | |
| OPERATING FREQUENCY | 20 GHz (max.) | | |
| OPERATING TEMP | -40 +125 | | |
| VELOCITY OF PROPAGATION | 69.5% (nom.) | | |
| VOLTAGE WITHSTANDING | 5,000 vrsm @ 60 Hz | | |
| WEIGHT | 20.2 kg/km (1.36 lbs/100ft) | | |
| MAXIMUM ATTENUATION | Frequency (MHz) | dB/100ft (dB/M) | Power (Watts) |
| | 500 | 15(0.49) | 180 |
| | 1,000 | 22(0.72) | 130 |
| | 5,000 | 50(1.64) | 54 |
| | 10,000 | 80(2.62) | 35 |
| | 20,000 | 130(4.27) | 20 |

The data provided in this publication indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and all information is subject to change without prior notice.

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