

Semi Rigid Cable

| | | | | | |
|--------------------|--------------|-------------|---------------|------------|--------------|
| CMSR-085T-50-TP-CW | RFCM Code no | | Date of issue | | |
| | EX-2-0009 | | 2002-12-17 | | |
| | Issues by | Approved by | Rev. no | Revised by | Revised date |
| | A K S | O J J | 5 | H M K | 2012-08-22 |



- ★ Specification ----- meet to MIL-C-17/133-00001
- ★ Continuous working voltage -----Max. 1500Vrms
- ★ Operating temperature range ----- -40°C ~ 125°C

| Construction | | | | MBR |
|------------------|----------|-------------------------|---------------|--------|
| Item | Material | Diameter | Remark | Static |
| Center conductor | SPCW | 0.511mm(0.002inch)±0.01 | Solid | 3.2 |
| Dielectric | PTFE | 1.68mm(0.066inch)±0.05 | Solid | |
| Outer Shield | TC | 2.18mm(0.085inch)±0.05 | 100% Coverage | |

TC : Tin plated Copper Tube

Electrical Data at +20°C (nom. Data)

| Electrical Data | | | |
|------------------------------|-------------------|--------|--------|
| Item | Specification | | Remark |
| Operating frequency | Max. 20GHz | | |
| Dielectric Resistance | >1,000 MOHMS x Km | | |
| Capacitance | 94 nF/Km | | |
| Impedance | 50 ± 2 OHMS | | |
| Test voltage | 3 kV DC | | |
| Velocity of propagation | NOM. 69.5 % | | |
| Weight | 20.2 Kg/Km | | |
| Attenuation(dB/M) & Power(W) | 0.49 | 500MHz | 125 |
| | 0.72 | 1GHz | 84.7 |
| | 1.64 | 5GHz | 36.3 |
| | 2.62 | 10GHz | 24.9 |
| | — | 15GHz | 19.9 |
| | 4.27 | 20GHz | 16.9 |

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