

Semi Flexible Cable

RFSF-085T-50-CW-J

Rfcm Code no

Date of issue

EX-1-0008

2002-12-17

Issues by

Approved by

Rev. no

Revised by

Revised date

A K S

O J J

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L Y G

2012-08-22



- ★ Specification ----- meet to MIL-C-17
- ★ Continuous working voltage -----Max. 1500Vrms
- ★ Operating temperature range ----- -40°C ~ 80°C

Construction

MBR

| Item | Material | Diameter | Remark | Static |
|------------------|----------|----------|---------------|---------|
| Center conductor | SPCW | 0.53mm | Solid | 6 |
| Dielectric | PTFE | 1.68mm | Solid | Dynamic |
| Braid | TC | 2.17mm | 100% Coverage | 30 |
| Jacket | PVC | 3.2mm | | |

TC : Tin Soaked on tin plated Copper Braid / SPCW : Silver plated Copper steel Wire

Electrical Data at +20°C (nom. Data)

Electrical Data

| Item | Specification | Remark |
|--|-------------------|--------------|
| Operating frequency | Max. 18GHz | |
| Dielectric Resistance | >1,000 MOHMS x Km | |
| Capacitance | 94 nF/Km | |
| Impedance | 50 ± 2 OHMS | |
| Test voltage | 3 kV DC | |
| Shielding Effect | <-110dB | |
| Velocity of propagation | NOM. 69.5 % | |
| Weight | 22 Kg/Km | |
| Attenuation(dB/M at 20°C) & Power(Watts at 40°C) | 0.43 | at 400MHz 75 |
| | 0.70 | at 1GHz 47 |
| | 1.02 | at 2GHz 34 |
| | 1.31 | at 3GHz 28 |
| | 1.72 | at 5GHz 22 |
| | 2.49 | at 10GHz 16 |
| | 3.46 | at 18GHz 12 |

TEL : 82-43-533-4546 FAX : 82-43-534-4546 e-mail : hmk5695@naver.com <http://www.rfcmart.com>