

X117 – B91131-013

50 ohms Coaxial Cable

Construction

| | | | | |
|----|-----------------|---|---------------|-----------------------------|
| 1. | Inner Conductor | : | Solid | Ø = 06,65 mm (0,262 inches) |
| 2. | Dielectric | : | Foam PE | Ø = 17,27 mm (0,680 inches) |
| 3. | Shield | : | Al Tape | Ø = 17,42 mm (0,686 inches) |
| 4. | Braid | : | Tinned Copper | Ø = 18,59 mm (0,732 inches) |
| 5. | Jacket | : | Black PE | Ø = 22,10 mm (0,870 inches) |

Electrical Specifications

| | | |
|-------------------------|---|----------------|
| Impedance | : | 50 Ohms |
| Operating Frequency | : | DC to 5,80 GHz |
| Cut off Frequency | : | N.A |
| Shielding Effectiveness | : | > -90dB |
| Capacitance | : | 76,6 pF/m |
| Velocity of propagation | : | 87 % |
| Time Delay | : | 3,83 ns/m |
| Voltage Withstand | : | 5000 Vdc |

Mechanical / Environmental Specifications

| | | |
|-----------------------------|---|----------------------------------|
| Weight | : | 400 g/m |
| Static Bend Radius | : | 76,20 mm (3,00 inches) |
| Dynamic Bend Radius | : | 228,60 mm (9,00 inches) |
| Operating Temperature Range | : | -40°C to +85°C (-40°F to +185°F) |
| Application | : | Outdoor / Watertight |

Connectors

Compatible with N – 7/8 and 7/16 interfaces

Spécifications

RoHS Compliant

MIL-C-17

| FREQUENCY (MHz) | ATTENUATION (dB/m max.) | Average POWER (W)* |
|-----------------|-------------------------|--------------------|
| 900 | 0,06 | 1510 |
| 1500 | 0,07 | 1140 |
| 2000 | 0,09 | 970 |
| 2500 | 0,10 | 860 |
| 5800 | 0,16 | 520 |

* : cable only, for ambient temperature (40°C), at sea level and VSWR = 1.0:1