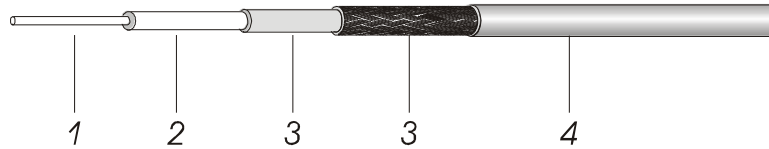


TXM Part #: LOW-600



Construction Specification

| | Material | Diameter in(mm) |
|--------------------|--|---------------------|
| 1. Inner Conductor | Copper Clad Aluminum | 0.176(4.47 ± 0.03) |
| 2. Dielectric | Physical Foam Polyethylene | 0.455(11.56 ± 0.30) |
| 3. Outer Conductor | Bonded Aluminum Foil + Tinned Copper Braid | 0.492(Nom. 12.50) |
| 4. Jacket | Black Polyethylene | 0.59(14.99 ± 0.20) |

| Electrical Characteristics | | Mechanical and Environmental Characteristics | |
|---------------------------------|--------------|--|----------------------|
| Capacitance (pF/ft)/ (pFm) | 23.4 (76.6) | Bend Radius: Installation in (mm) | 1.50(38.1) |
| Impedance(ohm) | 50 | Bend Radius: Repeated in (mm) | 6.0(152.4) |
| Velocity (%) | 87 | Bending Movement ft-lb (N-m) | 2.75 (3.73) |
| Time Delay (nS/ft nS/M) | <0.65 (2.13) | Weight lb/ft (kg/m) | 0.131 (0.20) |
| Shielding Effectiveness(dB) | <1.5 (4.92) | Tensile Strength lb (kg) | 350(158.9) |
| Inductance (μH/ft)/ (μH/m) | 1.17 (3.83) | Flat Plate Crush lb/in (kg/mm) | 60 (1.07) |
| Voltage Withstand (VDC) | >90 | Operating Temp. °F (°C) | -40to+185 (-40to+85) |
| Jacket Spark(VAC) | 0.058 (0.19) | Storage Temp. °F (°C) | -40to+185 (-40to+85) |
| Cut off Frequency(GHz) | 4000 | Installation Temp. °F(°C) | -94to+185 (-70to+85) |
| Peak Power(kW) | 40 kW | RoHS/REACH | Compliant |
| Return Loss ≤ dB (0.03~3000MHz) | 10.3 | | |

Attenuation (68°F/20°C) and Avg. Power (104°F/40°C) sea level

| Frequency(MHz) | Typical Attenuation (dB/100ft) | Max Attenuation (dB/100ft) | Avg. Power(KW) |
|----------------|--------------------------------|----------------------------|----------------|
| 30 | 0.4 | 0.46 | 5.51 |
| 50 | 0.5 | 0.55 | 4.24 |
| 150 | 1.0 | 1.1 | 2.16 |
| 220 | 1.2 | 1.3 | 1.77 |
| 450 | 1.7 | 1.9 | 1.23 |
| 700 | 2.18 | 2.45 | 0.95 |
| 750 | 2.26 | 2.55 | 0.92 |
| 800 | 2.35 | 2.63 | 0.88 |
| 900 | 2.5 | 2.7 | 0.84 |
| 1500 | 3.3 | 3.7 | 0.63 |
| 1800 | 3.7 | 4.1 | 0.57 |
| 2000 | 3.9 | 4.3 | 0.54 |
| 2500 | 4.4 | 4.9 | 0.48 |
| 5800 | 7.3 | 8.2 | 0.29 |
| 6000 | 7.45 | 8.91 | 0.28 |