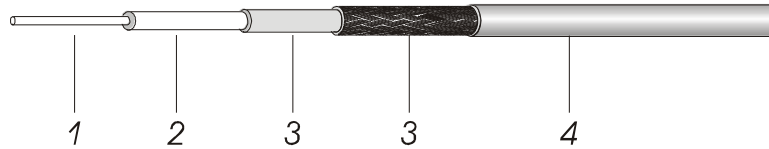


TXM Part #: LOW-600



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)	5000	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