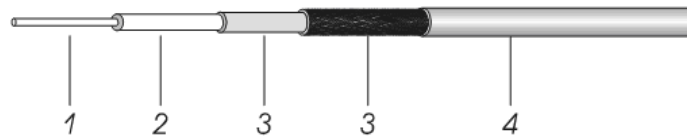


**TXM Part #: LOW-400**

**Construction Specification**

	Material	Diameter in(mm)
1. Inner Conductor	Copper Clad Aluminum	0.108 (2.740±0.025)
2. Dielectric	Physical Foam Polyethylene	0.285 (7.24±0.13)
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	0.32 (Nom.8.13)
4. Jacket	Black Polyethylene	0.40 (10.16±0.20)

Electrical Characteristics		Mechanical and Environmental Characteristics	
Capacitance (pF/ft)/ (pF/m)	23.9 (78)	Bend Radius: Installation in (mm)	1.0 (25.4)
Impedance(ohm)	50	Bend Radius: Repeated in (mm)	4.0 (101.6)
Velocity (%)	85	Bending Movement ft-lb (N-m)	0.5 (0.68)
Time Delay (nS/ft nS/M)	1.2 (3.93)	Weight lb/ft (kg/m)	0.114 (0.17)
Shielding Effectiveness(dB)	>90	Tensile Strength lb (kg)	160 (72.6)
Inductance (μH/ft)/ (μH/m)	0.059 (0.19)	Flat Plate Crush lb/in (kg/mm)	40 (0.71)
Voltage Withstand (VDC)	2500	Operating Temp. °F (°C)	-40 to+185 (-40 to+85)
Jacket Spark(VAC)	5000	Storage Temp. °F (°C)	-40 to+185 (-40 to+85)
Cut off Frequency(GHz)	16.2	Installation Temp. °F(°C)	-94 to+185 (-70 to+85)
Peak Power(kW)	16	RoHS/REACH	Compliant
Return Loss ≤dB(0.03~3000MHz)	-18		

**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	0.7	0.81	3.33
50	0.9	0.99	2.57
150	1.5	1.7	1.28
220	1.9	2.1	1.05
450	2.7	3.0	0.72
700	3.4	3.9	0.59
750	3.55	4.08	0.56
800	3.67	4.25	0.54
900	3.9	4.5	0.50
1500	5.1	5.8	0.38
1800	5.7	6.1	0.34
2000	6.0	6.5	0.33
2500	6.8	7.7	0.29
5800	10.8	12.2	0.18

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