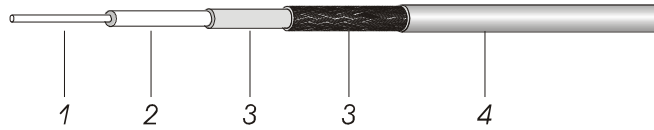


TXM Part #: LOW-240

Construction Specification

	Material	Diameter in(mm)
1. Inner Conductor	Solid Copper	0.056 (1.42±0.02)
2. Dielectric	Physical Foam Polyethylene	0.15 (3.81±0.15)
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	0.178 (Nom. 4.52)
4. Jacket	Black Polyethylene	0.24 (6.10±0.20)

Electrical Characteristics		Mechanical and Environmental Characteristics	
Capacitance (pF/ft)/ (pFm)	24.2 (79.4)	Min. Bend Installation Radius in(mm)	0.752 (19.1)
Impedance(ohm)	50	Min. Bend Repeated Radius in(mm)	2.5 (63.5)
Velocity (%)	84	Bending Movement ft-lb (N-m)	0.25 (0.39)
Time Delay (nS/ft nS/M)	1.21 (3.97)	Weight lb/ft (kg/m)	0.026 (0.039)
Shielding Effectiveness(dB)	>90	Tensile Strength lb (kg)	80 (36.3)
Inductance (μH/ft)/ (μH/m)	0.060 (0.20)	Flat Plate Crush lb/in (kg/mm)	20 (0.36)
Voltage Withstand (VDC)	1500	Operating Temp. °F (°C)	-40to+185 (-40to+85)
Jacket Spark(VAC)	5000	Storage Temp. °F (°C)	-40to+185 (-40to+85)
Cut off Frequency(GHz)	31	Installation Temp. °F(°C)	-94to+185 (-70to+85)
Peak Power(kW)	5.6	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	1.3	1.50	1.49
50	1.7	1.87	1.15
150	3.0	3.40	0.66
220	3.7	4.18	0.54
450	5.3	5.95	0.38
700	6.6	7.43	0.29
750	6.9	7.78	0.28
800	7.1	8.02	0.27
900	7.6	8.58	0.26
1500	9.9	11.18	0.20
1800	10.9	12.30	0.18
2000	11.5	13.00	0.17
2500	12.9	14.55	0.15
5800	20.4	23.00	0.10