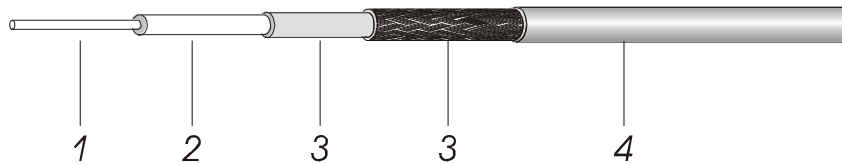


TXM Part #: LOW195



Construction Specification

	Material	Diameter in(mm)
1. Inner Conductor	Solid Copper	0.037(0.94 ± 0.01)
2. Dielectric	Physical Foam Polyethylene	0.109(2.79 ± 0.15)
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nom.0.139(3.53)
4. Jacket	Black Polyethylene	0.195(4.95 ± 0.15)

Electrical Characteristics

Capacitance (pF/ft)/ (pFm)	25.4 (83.3)
Impedance(ohm)	50
Velocity (%)	76
Time Delay (nS/ft nS/M)	1.30 (4.26)
Shielding Effectiveness(dB)	>90
Inductance (μH/ft)/ (μH/m)	0.061 (0.21)
Voltage Withstand (VDC)	1000
Jacket Spark(VAC)	5000
Cut off Frequency(GHz)	41
Peak Power(kW)	2.5
Return Loss ≤ dB (0.03~3000MHz)	-18

Mechanical and Environmental Characteristics

Bend Radius: Installation in (mm)	0.5(12.7)
Bend Radius: Repeated in (mm)	2.0(50.8)
Bending Movement ft-lb (N-m)	0.2 (0.27)
Weight lb/ft (kg/m)	0.022 (0.03)
Tensile Strength lb (kg)	40 (18.2)
Flat Plate Crush lb/in (kg/mm)	15 (0.27)
Operating Temp. °F (°C)	-40to+185 (-40to+85)
Storage Temp. °F (°C)	-40to+185 (-40to+85)
Installation Temp. °F(°C)	-94to+185 (-70to+85)
RoHS/REACH	Compliant

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	2.0	2.3	0.89
50	2.5	2.8	0.68
150	4.3	4.4	0.35
220	5.2	5.4	0.29
450	7.5	7.8	0.20
700	9.6	9.8	0.16
750	9.9	10.2	0.15
800	10.2	10.5	0.14
900	10.7	11.1	0.14
1500	13.4	14.5	0.11
1800	15.3	16.0	0.10
2000	16.1	16.9	0.09
2500	18.1	19.0	0.08
5800	28.2	29.9	0.05