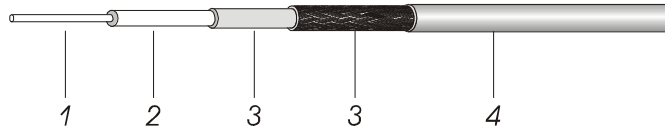




## TXM LOW-400-DB

### Direct Burial Low Loss Coax Cable



#### 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	Fluoropolymer +Black Polyethylene	0.40(10.16±0.20)

#### Electrical Characteristics

Capacitance (pF/ft)/ (pF/m)	23.9 (78.4)
Impedance(ohm)	50
Velocity (%)	85
Time Delay (nS/ft nS/M)	1.20 (3.92)
Shielding Effectiveness(dB)	>90
Inductance (μH/ft)/ (μH/m)	0.06 (0.2)
Voltage Withstand (VDC)	2500
Jacket Spark(VAC)	5000
Cut off Frequency(GHz)	16.2
Peak Power(kW)	16
Return Loss ≤ dB (0.03~3000MHz)	-18

#### Mechanical and Environmental Characteristics

Bend Radius: Installation in (mm)	1.0(25.4)
Bend Radius: Repeated in (mm)	4.0(101.6)
Bending Movement ft-lb (N-m)	0.5 (0.5)
Weight lb/ft (kg/m)	0.07 (0.11)
Tensile Strength lb (kg)	160 (72)
Flat Plate Crush lb/in (kg/mm)	40 (0.71)
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)
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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