



CONSTRUCTION

Signal Conductor: 0.287±0.0025mm (0.0113±0.0001"), Silver Plated Copper per ASTM B-298
 Insulation: Foamed Fluoropolymer, 0.830±0.025mm (0.0327±0.001") OD
 Inner Shield: Longitudinally Applied Overlapped Copper Foil
 Braid Shield: 46 AWG Tin Plated Copper, >90% Coverage Ref.
 Overall Shield Diameter: 1.118±0.051mm (0.044±0.002")
 Jacket: FEP in accordance with MIL-DTL-17, Type IX
 Wall Thickness: 0.089mm (0.0035")
 Color: Blue

ELECTRICAL

Impedance: 50±1 ohms
 Propagation Delay: 4.528±0.0394 ns/m (1.380±0.012 ns/ft)
 Velocity of Propagation: 73.7% Ref.
 Capacitance: 90.46 pF/m (27.57 pF/ft) Ref.
 Dielectric Withstanding Voltage: 400 VRMS Ref.
 RF Leakage: < -85 dB (1-10 GHz) Ref.
 DCR Conductor (Max.): 32 ohms/100m (9.8 ohms/100ft) Ref.
 Isolation Resistance: >10 GOhm Ref.

Frequency (GHz)	Attenuation Max at 23C (dB/3m)	Attenuation Max at 100C (dB/3m)
1	4.0	4.6
2	5.6	6.6
3	6.6	8.1
4	7.9	9.5
6	9.6	11.8
8	11.2	13.6
10	12.5	15.5

MECHANICAL

Operating Temperature: -65°C to 100°C Ref.
 Min. Static Bend Radius: 5.08mm (0.20")
 Min. Multiple Bend Radius: 10.16mm (0.40")
 Max. Tensile Strength: 23.00N (5.17 lbf) Ref.



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	4	NA	Change Inner Shield Material, VoP, Capacitance, and Prop. Delay	KP	7/25/17
	A	5670	Updated Loss Table & Released To Production Rev. A	KP	4/3/19