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Broadband Test Cable – 75-ohm Series BT

Typical Insertion Loss $IL_{dB} = \text{Attenuation}_{dB/ft} \times \text{Length}_{ft} + 2 \times \text{ConnectorLoss}_{dB}$

Attenuation (max.) vs. Frequency (GHz)		Attenuation per foot	Attenuation per meter	Connector Loss (each)	VSWR (x.xx:1)
0.512	UHF	0.02	0.08	0.02	1.20
0.900		0.09	0.29	0.02	
1.000	L	0.12	0.40	0.02	1.30
1.900		0.13	0.42	0.03	
2.000	S	0.19	0.61	0.03	
3.000		0.19	0.63	0.04	
4.000	C	0.24	0.80	0.04	
6.000		0.29	0.94	0.06	
8.000	X	0.34	1.12	0.08	1.35:1

Other Electrical Data

Max. Frequency	8 GHz (or Limited by Connector Interface)	
Impedance	75 Ω nominal	
Velocity of Prop.	66% nominal	
Time Delay,	1.54 Ns/ft	5.05 Ns/m
Capacitance,	20.5 pF/ft	67.2 pF/m

Mechanical Data

Finished Outer Diameter	.285 inches, nominal	7.24 mm, nominal
Jacket Type *	Polyolefin	
Second Layer	Metallic Braid	
Bend Radius	0.5 inches, minimum	12.7 mm, minimum
Op. Temperature	-67 to +175 °F	-55 to +80 °C
Weight	.045 lbs/ft	.067 Kg/m
Outer Conductor	Cu Groove Tube	
Dielectric	Polyethylene	
Inner Conductor	Ag-plated Cu	

* Other jacket types available upon request. See Ordering Information.

