



Cable Datasheet

BCB002 - 0.085" Diameter NbTiNbTi

Physical Properties

Feature	Material	Dimensions
Outer Conductor	Niobium Titanium	0.086" +/- 0.002" 2.19mm +/-0.05mm
Dielectric	PTFE	0.066" +/- 0.001" 1.67mm +/- 0.254mm
Inner Conductor	Niobium Titanium	0.0201" +/-0.0005" 0.510mm +/-0.013mm
Standard Length	1m	
Minimum Bend Radius	10.0mm	
Operating Temperature	-40deg C to 100deg C	



Electrical Performance Parameters

Attenuation

Frequency	@300K	@4K
0.5GHZ	2.7 dB/m	<0.3 dB/m
1GHZ	3.9 dB/m	<0.3 dB/m
5GHZ	8.6 dB/m	<0.3 dB/m
10GHZ	12.2 dB/m	<0.3 dB/m
20GHZ	17.3 dB/m	<0.3 dB/m

Electrical Properties

Impedance	50ohm +/-3
Operating Frequency	61GHz
Thermal Conductivity	2.64E-05 W.cm/K (at 4K)
Mean Capacitance	95.2pF/m
Corona Extinction Voltage	2500VRMS (@60Hz)

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- if you require any more information.