

Part No. WCBA-WC03 Series

18GHz WC03 Flexible Cable Assembly



Features:

- Low Loss, Low VSWR
- High Reliability
- Stainless Steel Armor is Available



Electrical Specification							
Cut-Off Frequency	23GHz						
Frequency	0.4	1	2	3	10	18	GHz
Attenuation	0.151	0.243	0.348	0.43	0.82	1.118	dB/m
Power CW	-	-	660	-	300	220	W max
Capacitance	25Pf/Ft						
Velocity of Propagation	80%						
Shielding Effectiveness	<-95dB						
Impedance	50 ohm						

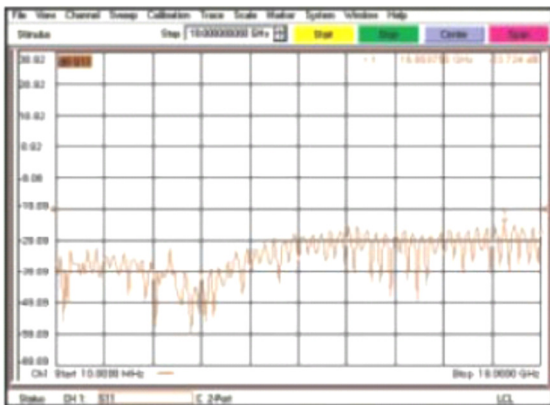
Mechanical Specification	
Center Conductor Diameter	0.057 inch
Dielectric Diameter	0.160 inch
Diameter over inner braid	0.170 inch
Diameter over interlayer	0.175 inch
Diameter over Outer braid	0.191 inch
Overall Diameter	0.235 inch
One Time Bend Radius	1.2 inch min.
Recommend Bend Radius	2.5 inch min.

Material Specification		
Description	Material	Finish or Color
Marker	MIL-I-23053	White
Connector Bodies	Stainless Steel	Passivated
Connector Nuts	Stainless Steel	Passivated
Contacts	Brass or Copper-Beryllium alloy	Gold plated
Insulator	PTFE	None
Gasket	Silicon Rubber	A-A-59588
Jacket	FEP	Light Green

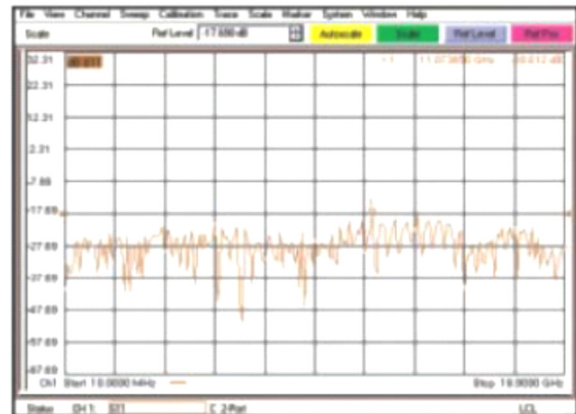
Environmental Specification

Operating Temperature **-55 ~+200°C**

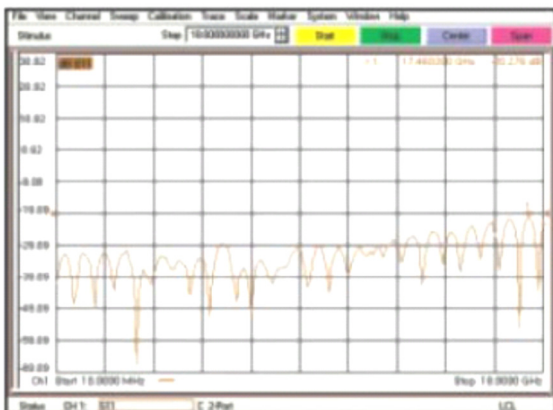
Connector Type	Length Inches	TYP. Insertion Loss(dB) At Freq.(GHz)				TYP. Return Loss(dB) At Freq.(GHz)			
		2	6	10	18	2	6	10	18
SMA M-SMA M	18	0.26	0.45	0.58	0.65	31	30	27	21
SMA M-SMA M	36	0.43	0.74	0.96	1.18	31	30	27	21
SMA M-SMA M	54	0.61	1.04	1.35	1.71	31	30	27	21
SMA M-SMA M	72	0.78	1.34	1.74	2.23	31	30	27	21
NM-NM	18	0.34	0.53	0.69	0.93	28	24	18	16
NM-NM	36	0.51	0.83	1.07	1.45	28	24	18	16
NM-NM	54	0.69	1.13	1.46	1.98	28	24	18	16
NM-NM	72	0.86	1.43	1.85	2.51	28	24	18	16
SMA M-NM	18	0.30	0.49	0.63	0.85	29	25	19	17
SMA M-NM	36	0.47	0.79	1.02	1.38	29	25	19	17
SMA M-NM	54	0.65	1.09	1.41	1.91	29	25	19	17
SMA M-NM	72	0.82	1.38	1.79	2.43	29	25	19	17



SMA(M)-SMA(M) DC-18GHz



N(M)-N(M) DC-18GHz



SMA(M)-N(M) DC-18GHz