Killer Bee™

New! KB Series Test Cable to 32 GHz

- Ultra Flexible and Rugged
- Superior Phase & Amplitude Stability
- Temperature Stable

The MegaPhase Killer Bee™ Test Cable is designed for a wide variety of lab, production and thermal testing applications. Looking for phase, amplitude and temperature stability? Killer Bee™ is the new industry standard in test.

GrooveTube TECHNOLOGY

Electrical Data

Maximum Frequency:	32 GHz (40GHz coming soon!)
Impedance:	50 Ω nominal
Propagation Velocity:	86.5% nominal
Time Delay:	1.17 ns/ft (3.84 ns/m)
Shielding Effectiveness:	-110 dB minimum (cable only)
Dielectric Withstanding Voltage:	10 kV at 60 Hz
Capacitance:	24.5 pF/ft (80.4 pF/m)

Mechanical Data

Finished Outer Diameter:	0.315 in, nominal
Static Bend Radius:	1.5 in (3.81 cm)
Weight with Standard Jacket/Armor:	0.04 lbs/ft (0.060 kg/m)
Crush Resistance:	250 lbs/linear in (44.6 kg/linear cm)
Operating Temp. Range:	-67 to 275° F (-55 to 135° C) Above 185° F (85° C) use "T" designation and provide temperature range.
Tensile Strength:	30 lbs (13.6 kg)
Maximum Length:	20 ft (3.05 m)

Cable Construction

Inner Conductor:	Solid Ag-plated Cu
Dielectric:	*Boundless* PTFE®
Outer Conductor:	GrooveTube® Cu
Standard Finish:	NOMEX® Braid over Polyolefin Other Finishes Available Upon Request.

Available Connectors

3.5mm, 2.92mm, 2.4mm, SMA, Type N, TNC and 7-16 and many others on request.

MegaPhase®
Our Customers Connect With Us™

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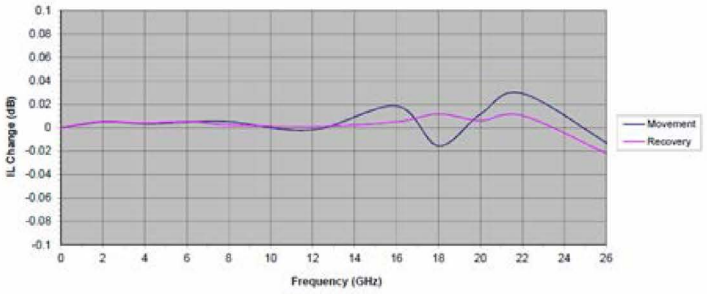
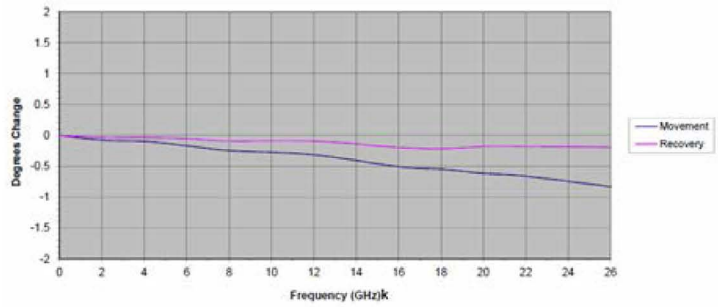
Killer Bee™ (cont'd)

Ultra Flexible, Phase Stable Test Cable

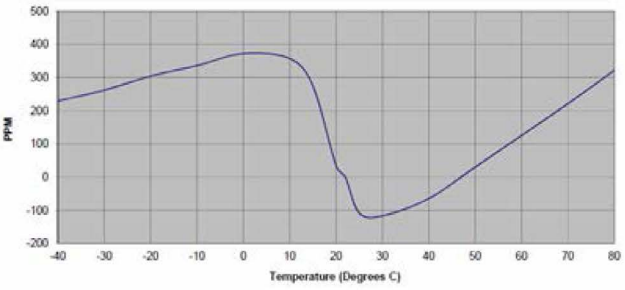
Amplitude Change vs. Flexure



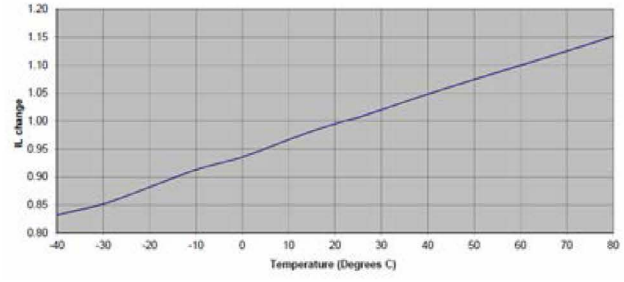
Phase Change vs. Flexure



Phase Change vs. Temperature



Insertion Loss v. Temperature



Specifications

Frequency		Part No.	Attenuation		Conn. Loss dB	VSWR
GHz	Band		dB/ft	dB/m		
0.3	UHF	KB4	0.053	0.173	0.006	1.10
0.5			0.068	0.225	0.009	
0.8			0.087	0.287	0.012	
1.0	L		0.098	0.322	0.014	
2.0	S		0.141	0.463	0.024	1.15
2.4			0.155	0.510	0.027	
3.0			0.175	0.575	0.032	
4.0	C		0.204	0.671	0.040	1.20
6.0		KB8	0.255	0.836	0.055	
8.0	X		0.299	0.980	0.070	
10.0		KB18	0.338	1.110	0.084	1.25
12.4			0.382	1.253	0.101	
15.0	Ku		0.426	1.397	0.118	
18.0			0.473	1.552	0.139	1.30
20.0	K	KB26	0.503	1.649	0.152	
22.0			0.532	1.744	0.165	
24.0			0.559	1.835	0.178	
26.5			0.593	1.946	0.194	1.35
28.0	Ka	KB32	0.613	2.010	0.204	
30.0			0.638	2.095	0.217	
32.0			0.664	2.177	0.230	1.40

All data tested to IEC Standard 60966-1.

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