



HASCO, INC
COMPONENTS DISTRIBUTOR

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HSB42i® Series 26.5 GHz Low Loss Flexible Cable Assemblies with Good Phase Stability vs. Flexure

FEATURES



- RoHS Compliant
- Low Loss, Low VSWR, High Reliability
- Outstanding durability vs. flexure
- Available with stainless steel armor
- Phase Stability vs. Flexure: ± 2.95 @ 26.5 GHz
(When wrapped 360° around a 1.0" diameter mandrel)
- Cable Insertion Loss: -0.79 dB per Ft @ 26.5 GHz
- Amplitude Stability: $< \pm 0.2$ dB through 26.5 GHz

ELECTRICAL SPECIFICATIONS

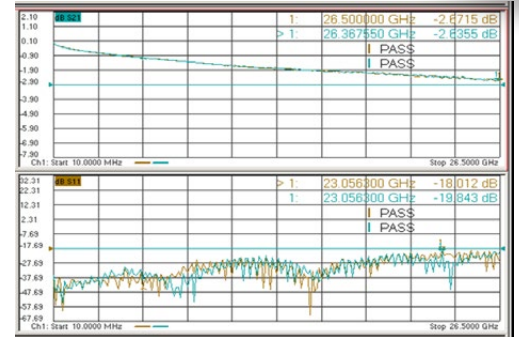
Max Frequency (GHz)	26.5				
Capacitance (pF/Ft)	29.4				
Velocity Propagation (%)	70				
RF Leakage @ 18 GHz (dB)	<-95				
Time Delay (ns/Ft)	1.43				
Impedance (Ohms)	50				
Frequency (GHz)	2	6	10	18	26.5
Power CW (Watts)	420	215	140	125	75
Phase Stability vs. Flexure (°)	± 0.22	$\pm .67$	± 1.11	± 2	2.95

MECHANICAL SPECIFICATIONS

Cable Max Dia. (Inch)	0.172
Min. bend radius (Inch)	1
Recommend Bend Radius (Inch)	1.72
Raw Cable Temperature Range (°C)	-55 to +200

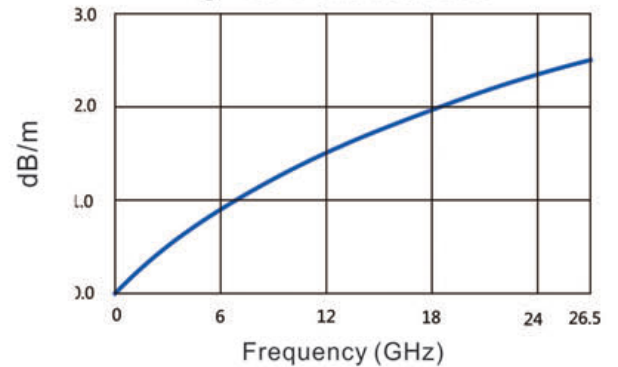
MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	FEP	Transparent
Marker	Mil-I-23053	White
Inner Conductor	Copper	Silver Plated
Interlayer	Polyester	Aluminum
Inner Braid	Flat Copper Strip	Silver Plated
Outer Braid	Copper Braid	Silver Plated
Dielectric	Solid PTFE	None
Connector Bodies/Nuts	Stainless Steel	Passivated
Gasket	Silicon Rubber	A-A-59588



Test #1: SMA Male to SMA Male, 1 Meter,
DC - 26.5GHz

Cable Attenuation @ +25°C and Sea Level



Max RF Power @ +25°C and Sea Level

