



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

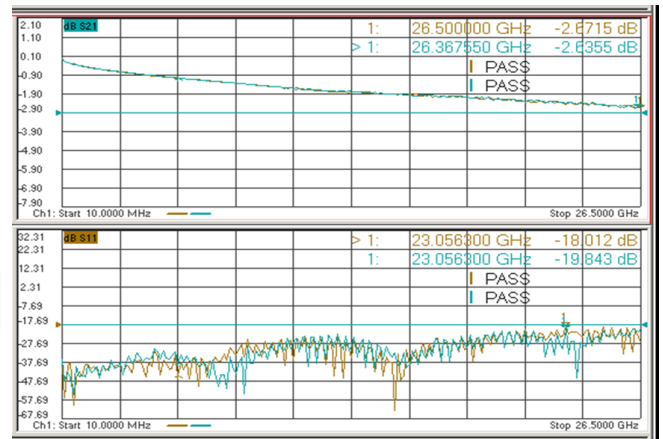
Max Frequency (GHz)	26.5				
Capacitance (pF/Ft)	29.4				
Velocity Propagation (%)	70				
RF Leakage @ 18 GHz (dB)	<-95				
Time Delay (ns/Ft)	1.43				
Impedance (Ohms)	50				
Frequency (GHz)	2	6	10	18	26.5
Power CW (Watts)	420	215	140	125	75
Phase Stability vs. Flexure (°)	± 0.22	± 0.67	± 1.11	± 2	2.95

MECHANICAL SPECIFICATIONS

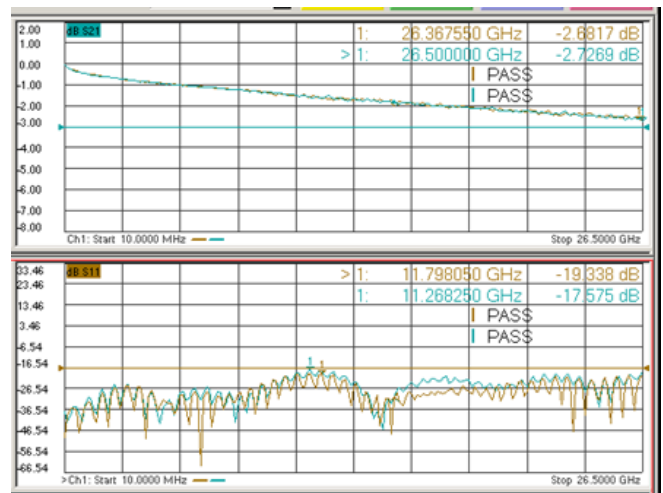
Cable Max Dia. (Inch)	0.172
Min. bend radius (Inch)	1
Recommend Bend Radius (Inch)	1.72
Raw Cable Temperature Range (°C)	-55 to +85

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	FEP	Transparent
Marker	Mil-I-23053	White
Contacts	BeCu	Gold Plated
Insulators	PTFE	None
Connector Bodies	Stainless Steel	Passivated
Connector Nuts	Stainless Steel	Passivated
Gasket	Silicon Rubber	A-A-59588



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



Test #2 SMA Male to SMA Male, 1 Meter, DC - 26.5GHz

HOW TO ORDER: HSBi-XX-XX-L***

***Example: HSBi-SI-SI-24

1. Cable Type
2. Connectors: (A&B) SMA Male = SI
3. Length in Inches L = Inches