



HASCO, INC
COMPONENTS DISTRIBUTOR

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HULL320® Series

18 GHz Ultra Low Loss Flexible Cable Assemblies

with Excellent Phase Stability vs. Flexure & Temperature

FEATURES

- RoHs Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 550ppm Max @ -45°C ~ +85°C
- Phase Stability Vs. Flexure: $\pm 4.5^\circ$ @ 18 GHz
(When wrapped 360° around a 3.2" radius mandrel)
- Available with Stainless Steel Armor
- Cable Insertion Loss: ~ 1.92 dB per Ft @ 18 GHz
- Amplitude Stability: $\leq \pm 0.1$ dB through 18 GHz

ELECTRICAL SPECIFICATIONS

Max Frequency (GHz)	18			
Capacitance (pF/Ft)	23.7			
Velocity Propagation (%)	85			
RF Leakage @ 18 GHz (dB)	<-90			
Time Delay (ns/Ft)	1.19			
Impedance (Ohms)	50			
Frequency (GHz)	2	6	10	18
Power CW (Watts)	1480	840	650	480
Phase Stability vs. Flexure ($^\circ$)	± 0.5	± 1.5	± 2.50	± 4.5

MECHANICAL SPECIFICATIONS

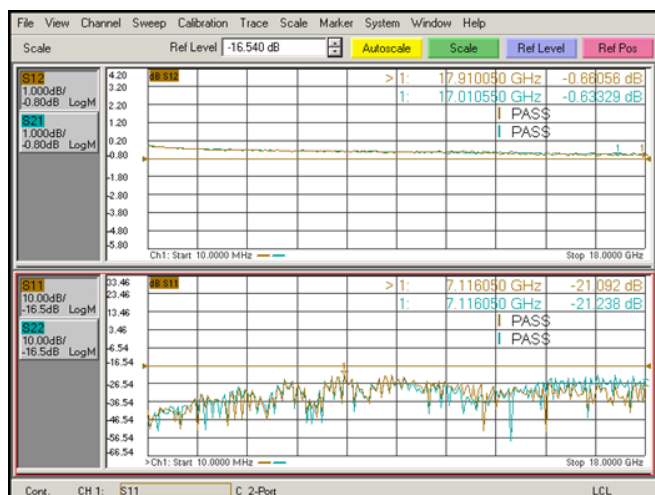
Cable Max Dia. (Inch)	0.319
Min. bend radius (Inch)	1.6
Recommend Bend Radius (Inch)	3.19
Raw Cable Temperature Range ($^\circ$ C)	-55 to +85

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	PFA	GREY
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, 24 inches, DC -18 GHz



Test #2 SMA Male to SMA Male, 24 inches, DC - 18 GHz

HOW TO ORDER: HULL320-XX-XX-L***

I 2A 2B 3

***Example: HULL320-SI-SI-24

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