



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: $\pm 4^\circ$ @ 18 GHz
(When wrapped 360° around a 3.2" radius mandrel)
- Available with Stainless Steel Armor
- Cable Insertion Loss: -.192 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 (°)	± 0.5	± 1.5	± 2.50	± 4.5

MECHANICAL SPECIFICATIONS

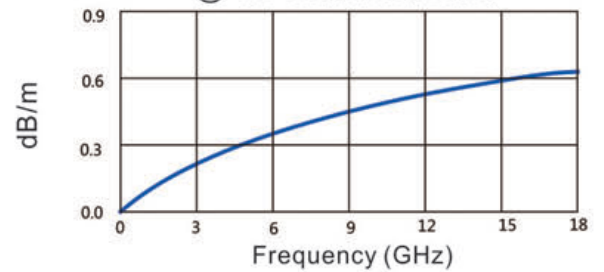
Cable Max Dia. (Inch)	0.319
Min. bend radius (Inch)	1.6
Recommend Bend Radius (Inch)	3.19
Raw Cable Temperature Range (°C)	-65 to +200

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	PFA	Grey
Marker	Mil-I-23053	White
Inner Conductor	Copper	Silver Plated
Dielectric	Expanded PTFE Tape	None
Inner Braid	Flat Copper Strip	Silver Plated
Outer Braid	Copper Braid	Silver Plated
Connector Bodies/Nuts	Stainless Steel	Passivated
Gasket	Silicon Rubber	A-A-59588

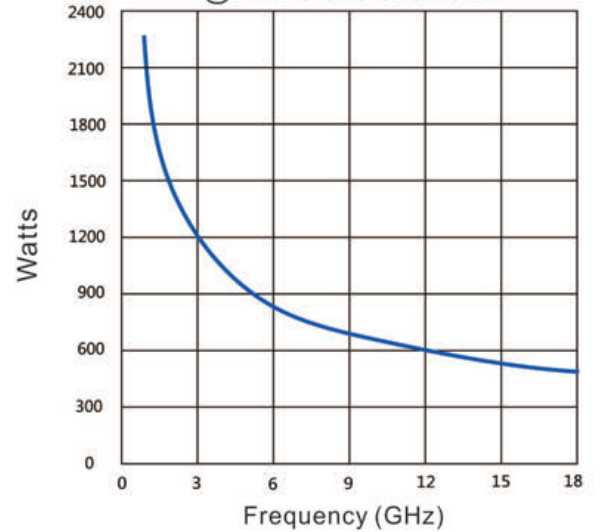
Cable Attenuation

@ +25°C and Sea Level



Max RF Power

@ +25°C and Sea Level



Phase Change vs. Temperature

