




HASCO, INC
COMPONENTS DISTRIBUTOR

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HSFL42® Series 26.5 GHz Low Loss Ultra Flexible Cable Assemblies with Good Phase Stability

FEATURES

- RoHs Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stability Vs. Flexure: $\pm 3^\circ$ @ 26.5 GHz
(When wrapped 360° around a 1" diameter mandrel)
- Available with stainless steel armor
- Cable Insertion Loss: 0.83 dB per Ft @ 26.5 GHz
- Amplitude Stability: $< \pm 0.3$ dB through 26.5 GHz

Attenuation & Power Handling @ +25°C and Sea Level

Frequency (MHz)	Attenuation (Typ.) (dB/m)	Max Power Handling (Watts)
1000	0.39	530
3000	0.69	350
5000	0.94	234
10000	1.45	115
18000	2.11	90
26500	2.78	60

ELECTRICAL SPECIFICATIONS

Max Frequency (GHz)	26.5			
Capacitance (pF/Ft)	29.4			
Velocity Propagation (%)	70			
RF Leakage @ 18 GHz (dB)	<-110			
Time Delay (ns/Ft)	1.43			
Impedance (Ohms)	50			
Frequency (GHz)	2	6	18	26.5
Power CW (Watts)	350	175	100	72
Phase Stability vs. Flexure (°)	± 0.23	± 0.7	± 2.0	± 3.0

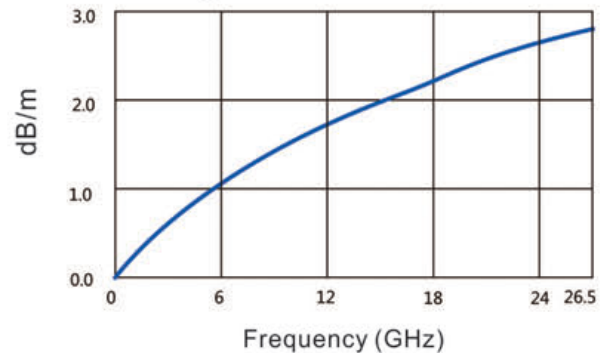
MECHANICAL SPECIFICATIONS

Cable Max Dia. (Inch)	0.18
Min. bend radius (Inch)	1.0
Recommend Bend Radius (Inch)	1.63
Raw Cable Temperature Range (°C)	-55 to +105

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	PVC	Blue
Marker	MIL-I-23053	White
Inner Conductor	Stranded Copper	Silver Plated
Inner Braid	Flat Copper Strip	Silver Plated
Outer Braid	Copper Braid	Silver Plated
Dielectric	Solid PTFE	None
Connector Bodies/Nuts	Stainless Steel	Passivated

Cable Attenuation @ +25°C and Sea Level



Max RF Power @ +25°C and Sea Level

