



HASCO, INC
COMPONENTS DISTRIBUTOR

(888) 498-3242 • www.hasco-inc.com



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

ELECTRICAL SPECIFICATIONS

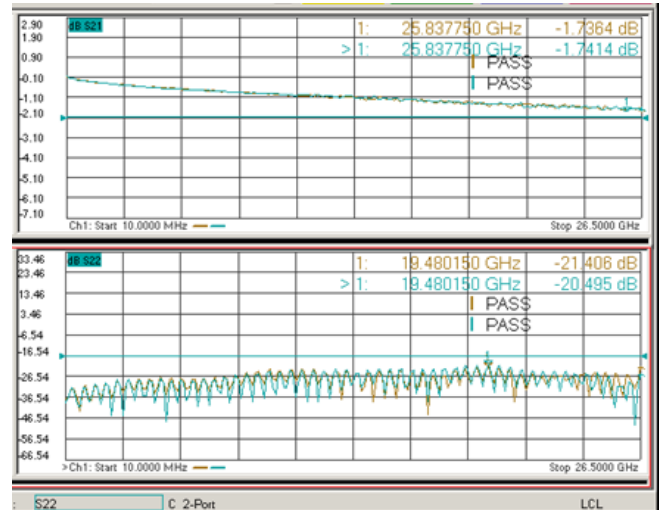
Max Frequency (GHz)	26.5			
Capacitance (pF/Ft)	29.4			
Velocity Propagation (%)	70			
RF Leakage @ 18 GHz (dB)	<-110			
Time Delay (ns/Ft)	1.43			
Impedance (Ohms)	50			
Frequency (GHz)	2	6	18	26.5
Power CW (Watts)	350	175	100	72
Phase Stability vs. Flexure ($^\circ$)	± 0.23	± 0.7	± 2.0	± 3.0

MECHANICAL SPECIFICATIONS

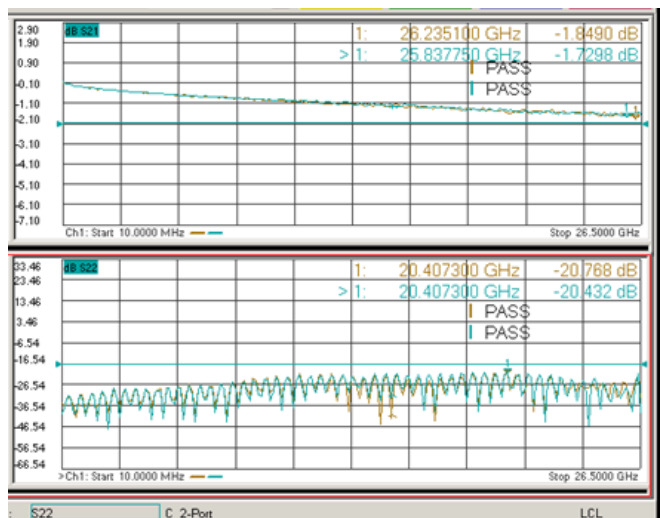
Cable Max Dia. (Inch)	0.18
Min. bend radius (Inch)	1.0
Recommend Bend Radius (Inch)	1.63
Raw Cable Temperature Range ($^\circ\text{C}$)	-55 to +85

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	FEP	Blue
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 - 26.5GHz



Test #2 SMA Male to SMA Male, 24 inches, DC - 26.5GHz

HOW TO ORDER: HSFL42-XX-XX-L***

***Example: HSFL42-S1-S2-24

1. Cable Type
2. Connectors: (A&B) SMA Male = S1
SMA Female = S2
3. Length in Inches L = Inches