



HASCO, INC
COMPONENTS DISTRIBUTOR

(888) 498-3242 • sales@hasco-inc.com



HULL140A Series

40 GHz Millimeter Wave Ultra Low Loss Armored Flexible Cable Assemblies with Excellent Phase Stability vs. Flexure and Temperature

FEATURES



- RoHs Compliant
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 500pp Max @ -40°C - +85C
- Phase Stability vs. Flexure: $\pm 7.2^\circ$ @ 40 GHz
- Cable Insertion Loss: $\sim .75$ dB per ft @ 40 GHz
- Amplitude Stability: $< \pm 0.3$ dB through 40 GHz

ELECTRICAL SPECIFICATIONS

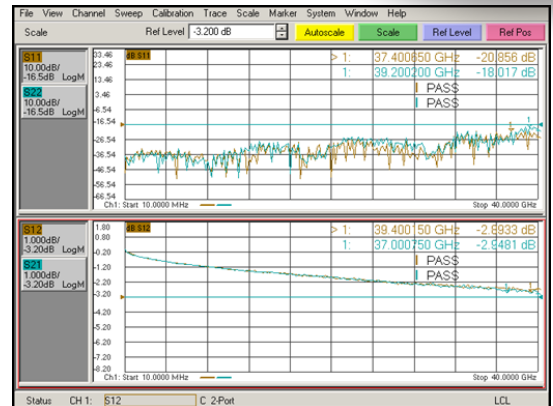
Max Frequency (GHz)	40				
Capacitance (pF/Ft)	23.7				
Velocity Propagation (%)	85				
RF Leakage @ 18 GHz (dB)	<-90				
Time Delay (ns/Ft)	1.18				
Impedance (Ohms)	50				
Frequency (GHz)	2	6	18	26.5	40
Power CW (Watts)	415	210	120	100	70
Phase Stability vs. Flexure ($^\circ$)	± 0.36	± 1.1	± 3.3	± 4.8	± 7.2

MECHANICAL SPECIFICATIONS

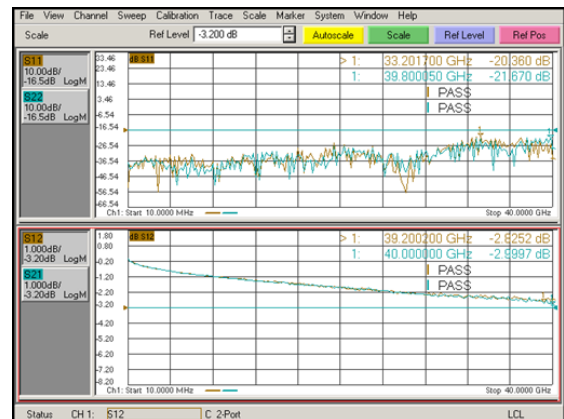
Cable Max Dia. (Inch)	0.142
Min. bend radius (Inch)	0.5
Recommend Bend Radius (Inch)	1.42
Raw Cable Temperature Range ($^\circ$ C)	-55 to +200

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	PFA	Gray
Marker	Mil-I-23053	White
VA Armor	Stainless Steel +PUR	Blue
Inner Conductor	Copper	Solid 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



Test Data: 2.92 Male to 2.92 Female, DC - 40GHz



Test Data: 2.92 Male to 2.92 Female, DC - 40GHz