



HASCO, INC
COMPONENTS DISTRIBUTOR

(888) 498-3242 • sales@hasco-inc.com



HLL142A® Armored Series 18 GHz Low Loss Armored Cable Assemblies Excellent Phase Stability Vs. Flexure & Temperature

FEATURES



- RoHS Compliant
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 250ppm Max @ +22°C ~ +100°C
- Phase Stability Vs. Flexure: $\pm 6.4^\circ$ @ 18 GHz
(When wrapped 360° around a 3.0" diameter mandrel)
- Stainless Steel Armor
- Cable Insertion Loss: -48 dB per Ft @ 18 GHz
- Amplitude Stability: $\leq \pm 0.3$ dB through 18 GHz

ELECTRICAL SPECIFICATIONS

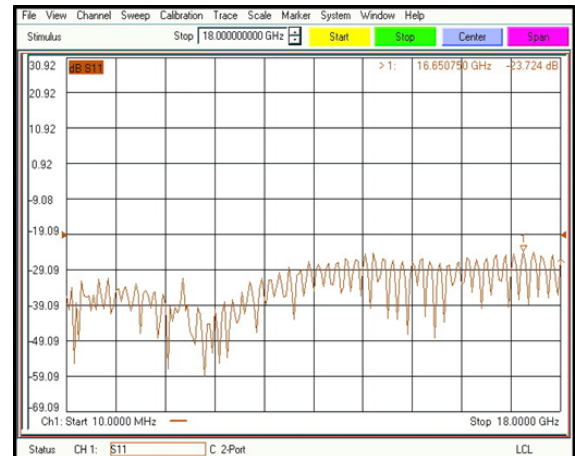
Max Frequency (GHz)	33			
Capacitance (pF/Ft)	25			
Velocity Propagation (%)	83			
RF Leakage @ 26.5 GHz (dB)	<-95			
Time Delay (ns/Ft)	N/A			
Impedance (Ohms)	50			
Frequency (GHz)	2	6	10	28
Power CW (Watts)	510	285	220	165
Phase Stability vs. Flexure (°)	± 0.4	± 1.2	± 2	± 3.6

MECHANICAL SPECIFICATIONS

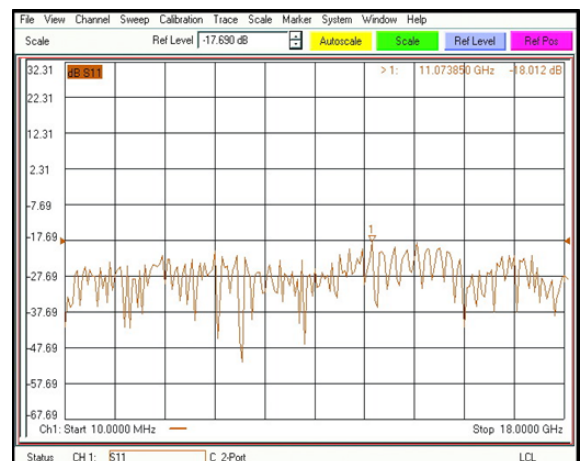
Cable Max Dia. (Inch)	0.195
Min. bend radius (Inch)	2.5
Recommend Bend Radius (Inch)	3.0
Temperature Range (°C)	-55 to +200

MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Interlok Armor	304 Stainless Steel	Passivated
Cable Jacket	FEP	Light Green
Marker	Mil-I-23053	Black or White
Contacts	Brass or 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: Type N Male to Type N Male, 24 inches, DC - 18 GHz