



**HASCO, INC**  
COMPONENTS DISTRIBUTOR

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## HULL190® Series 26.5 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:  $\pm 4.5^\circ$  @ 26.5 GHz  
(When wrapped 360° around a 1.89" radius mandrel)
- Available with Stainless Steel Armor
- Cable Insertion Loss:  $-0.39$  dB per Ft @ 26.5 GHz
- Amplitude Stability:  $\leq \pm 0.2$  dB through 26.5 GHz

### ELECTRICAL SPECIFICATIONS

Max Frequency (GHz)	26.5				
Capacitance (pF/Ft)	23.7				
Velocity Propagation (%)	85				
RF Leakage @ 26.5 GHz (dB)	<-90				
Time Delay (ns/Ft)	1.18				
Impedance (Ohms)	50				
Frequency (GHz)	2	6	12	18	26.5
Power CW (Watts)	650	390	260	220	190
Phase Stability vs. Flexure (°)	$\pm 0.33$	$\pm 1$	$\pm 2$	$\pm 3$	$\pm 4.5$

### MECHANICAL SPECIFICATIONS

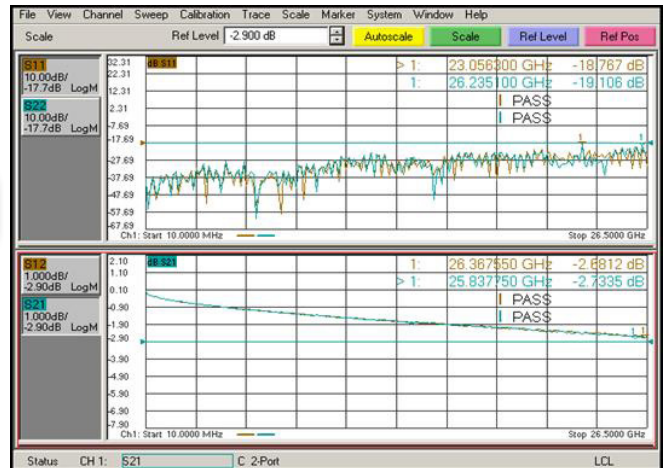
Cable Max Dia. (Inch)	0.189
Min. bend radius (Inch)	1.0
Recommend Bend Radius (Inch)	1.89
Raw Cable Temperature Range (°C)	-55 to +85

### MATERIALS AND FINISHES

DESCRIPTION	MATERIALS	FINISH OR COLOR
Cable Jacket	PFA	Gray
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 - 26.5 GHz



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

### HOW TO ORDER: HULL190-XX-XX-L\*\*\*

I 2A 2B 3

\*\*\*Example: HULL190-SI-SI-24

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