


Part No:

HLL142

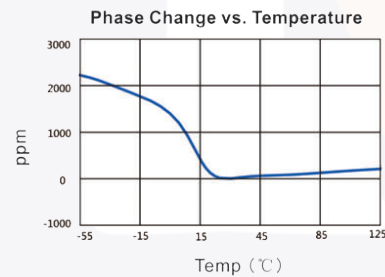
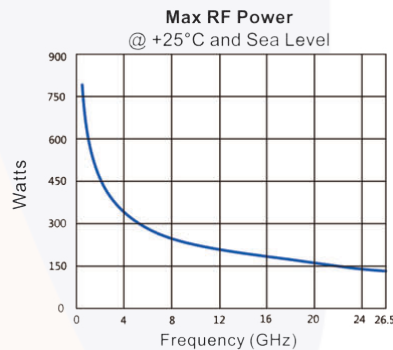
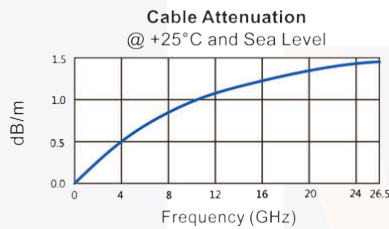


HLL142 Low Loss Flexible Cable Series - 26.5 GHz

Features

- RoHS Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 250ppm Max @ 22°C ~ 100°C
- Phase Stable vs. Flexure: $\pm 5.3^\circ$ @ 26.5 GHz
(When wrapped 360° around a 1.5" diameter mandrel)

The HASCO **HLL142** is a Low Loss Flexible Cable Series that is phase stable over temperature and phase stable vs. flexure. Available with 3.5mm Male to 3.5mm Male or 3.5mm Male to 3.5mm Female connectors and rated to 26.5 GHz.



Electrical

• Impedence	50 Ohms		
• Frequency Range	DC - 26.5 GHz		
• VSWR	1.35:1 Max		
• Insertion Loss	-0.48 dB/ft @ 26.5 GHz		
• Amplitude Stability	$\leq \pm 0.3$ dB thru 26.5 GHz		
• Velocity of Propogation	80%		
• Capacitance	82 pF/ft		
• Power CW	510 W @ 2 GHz	265 W @ 6 GHz	135 W @ 26.5 GHz
• Phase Stability vs. Flexure	$\pm 0.4^\circ$	$\pm 1.2^\circ$	$\pm 5.3^\circ$
• RF Leakage	< -95 dB @ 18 GHz		

Mechanical

- Min Bend Radius 1.0 inch
- Recommended Bend Radius 2.0 inch

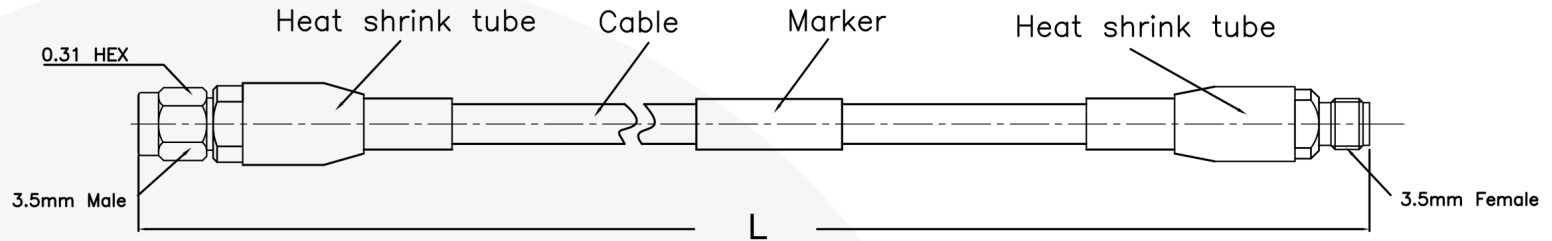
Environmental

- Temperature Range -55°C to 85°C

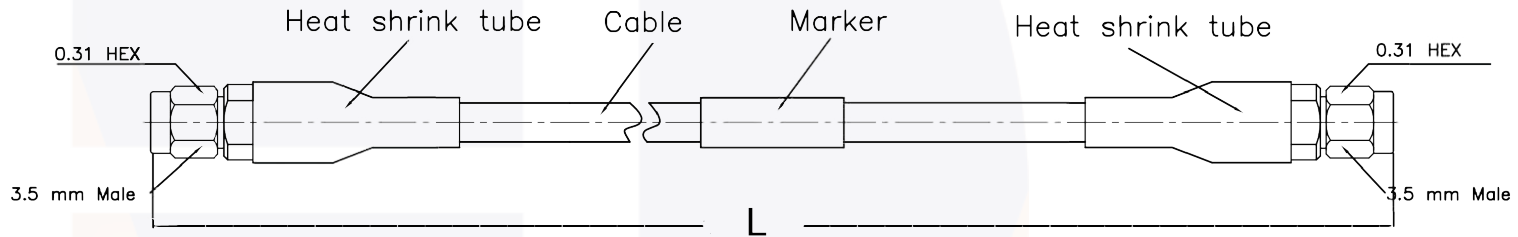
Material

- Connector Body & Nut Passivated Stainless Steel
- Gasket Silicon
- Dielectric PEEK
- Center Contact Gold Plated BeCu
- Cable Jacket FEP

3.5mm Male to 3.5mm Female



3.5mm Male to 3.5mm Male



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	6/15	TC		APPROVED BY: TC
A	DATASHEET UPDATE	6/26	TC	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.	
THIS DRAWING IS A CONTROLLED DOCUMENT					



5214 Bonsai Street • Moorpark, CA 93021
 (888) 498-3242 • sales@hasco-inc.com
www.hasco-inc.com

MATERIALS: SEE DATA SHEET	CAGE CODE: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. HLL142		REV: A