

Part No:

# HLL185R-VP-VJ-30



*1.85mm Male to 1.85mm Female Test Cable using LL185 Low Loss Ruggedized Flexible Cable, Excellent Phase and Amplitude Stability vs. Flexure, DC- 67 GHz, 30 Inches*

## Specifications

• Frequency Range	DC - 67 GHz
• Insulation Resistance	5,000M $\Omega$
• Insertion Loss	$\leq 4.0$ dB @ 67 GHz
• VSWR	1.50:1 MAX
• Impedance	50 Ohms
• Dielectric Withstanding Voltage	1,000V Max at Sea Level
• Min. Bend Radius	1.2"
• Velocity of Propagation	76%
• RF Leakage	$> 90$ dB
• Phase Stability	$\leq \pm 0.15$ dB @ 67 GHz
• Phase Stability over Flexure	$\leq \pm 6.5^\circ$ @ 67 GHz
• Dielectric Withstanding Voltage	1,000V Max at Sea Level
• Capacitance	27pf/ft=88pf/m
• Temperature Range	-45°C - +85°C

## Materials and Finishes

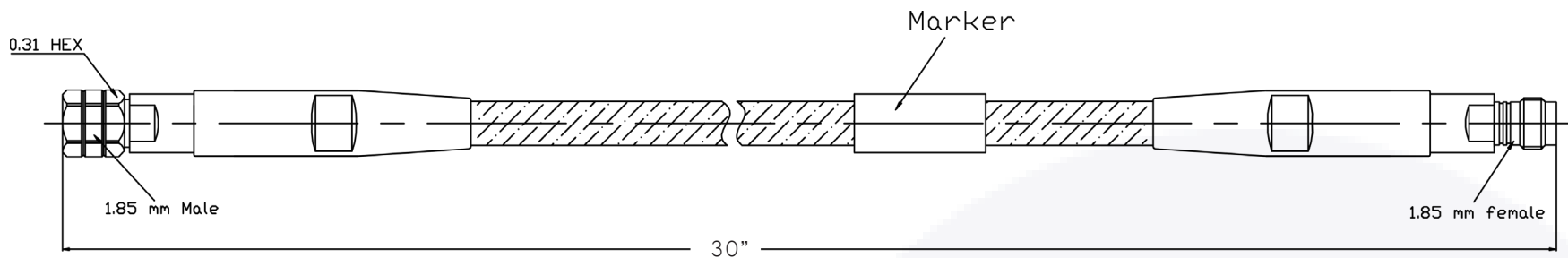
• Connectors	Passivated Stainless Steel
• Connector Center Contact	Gold Plated Copper
• Insulation	PEI
• Inner and Outer Shield	Silver Plated Copper
• Cable Center Contact	Silver Plated Copper
• Jacket	FEP
• Outer Armor	Purple PTFE Braid


The HASCO **HLL185R Series Cable** is a low loss LL185 cable that operates from DC to 67 GHz. This cable series is constructed with 1.85mm Male to 1.85mm Female connectors. These cables are internally ruggedized with multi-layer copper spiral and braided armor. They offer excellent phase and amplitude stability vs. flexure. The HLL185R Series cables offer 1.50:1 max VSWR.

The HLL185R-VP-VJ-30 is RoHS Compliant.



HASCO offers many types and configurations of RF and microwave cable assemblies and can support most requirements, such as flexible, conformable, semi-rigid, VGA, low-loss, phase stable, armored, jacketed and more; all assembled with the highest quality RF connectors.



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: JMS	CHECKED BY: TAC		5214 Bonsai Street • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com <a href="http://www.hasco-inc.com">www.hasco-inc.com</a>		
-	RELEASE	08/2019	TAC	APPROVED BY: TAC					
A	JACKET COLOR CHANGE	10/20	TAC	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.		MATERIALS:	CAGE CODE:	SCALE:	SIZE:
						SEE DATA SHEET	0T8L4	NS	-
						FINISHES:	PART NO./DRAWING NO.		REV:
						SEE DATA SHEET	<b>HLL185R-VP-VJ-30</b>		A
THIS DRAWING IS A CONTROLLED DOCUMENT									