


Part No:

# HLL150A-29P-29P-L



## HLL150A Low Loss Flexible Armored Cable Series with 2.92mm Male Connectors - 40 GHz

### Features

- RoHS Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stable over Temp: 550ppm Max @ -40°C ~ 85°C
- Phase Stable vs. Flexure:  $\pm 8^\circ$  @ 40 GHz  
(When wrapped 360° around a 2" diameter mandrel)

The HASCO **HLL150A** is a Low Loss Armored Cable Series that is phase stable over temperature and phase stable vs. flexure. Available with 2.92mm Male connectors and rated to 40 GHz.

Part Number	Length (inch)	Insertion Loss (dB)
HLL150A-29P-29P-18	18"	$\leq 2.0$ dB
HLL150A-29P-29P-24	24"	$\leq 2.4$ dB
HLL150A-29P-29P-30	30"	$\leq 2.8$ dB
HLL150A-29P-29P-36	36"	$\leq 3.2$ dB
HLL150A-29P-29P-48	48"	$\leq 3.9$ dB
HLL150A-29P-29P-60	60"	$\leq 4.7$ dB

### Electrical

• Impedance	50 $\Omega$		
• Frequency Range	DC - 18 GHz		
• VSWR	1.35:1 Max		
• Insertion Loss	-0.75 dB/ft @ 40 GHz		
• Amplitude Stability	$\leq \pm 0.4$ dB thru 40 GHz		
• Velocity of Propagation	83%		
• Time Delay	1.2 ns/ft		
• Capacitance	24 pF/ft		
• Power CW	420 W @ 2 GHz	125 W @ 18 GHz	75 W @ 40 GHz
• Phase Stability vs. Flexure	$\pm 0.4^\circ$	$\pm 3.6^\circ$	$\pm 8.0^\circ$
• RF Leakage	< -100 dB dB @ 18 GHz		

### Mechanical

• Min Bend Radius	1.5 inch
• Recommended Bend Radius	2.5 inch

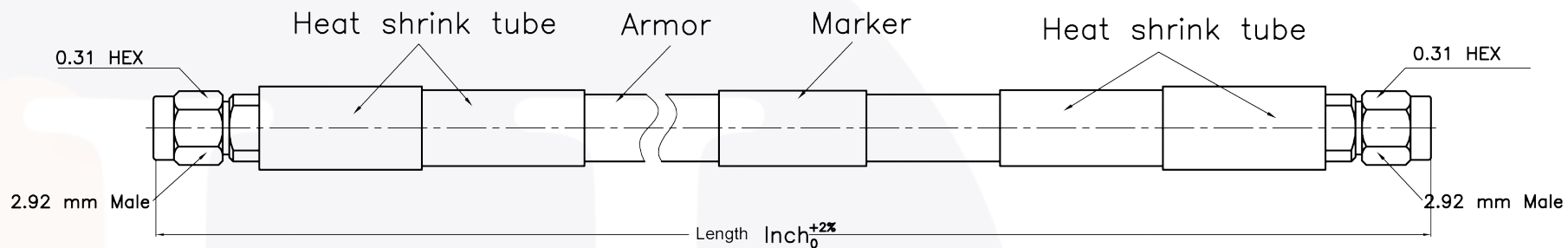
### Environmental


• Temperature Range	-55°C to 85°C
---------------------	---------------

### Material

• Connector Body & Nut	Passivated Stainless Steel
• Dielectric	PTFE
• Center Contact	Silver plated Copper
• Braids	Flat SPC Strip (inner), SPC Braid (outer)
• VA Armor	Stainless Steel Flat Spiral
• Cable Jacket	PVC

# HLL150A Low Loss Flexible Armored Cable Series with 2.92mm Male Connectors | DC - 40 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: <i>NS</i>	REVIEWED BY: <i>JS</i>	 5214 Bonsai Avenue • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com <a href="http://www.hasco-inc.com">www.hasco-inc.com</a>			
-	RELEASE	1/25	TC		APPROVED BY: <i>TC</i>				
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.		MATERIALS:	CAGE CODE:	SCALE:	SIZE:
						SEE DATA SHEET	0T8L4	N/A	A
						FINISHES:	PART NO./DRAWING NO.		REV:
						SEE DATA SHEET	<b>HLL150A-29P-29P-L</b>		A
THIS DRAWING IS A CONTROLLED DOCUMENT									