


Part No:

# HLL150-29P-29P-L



## HLL150 Low Loss Flexible 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 **HLL150** is a Low Loss Flexible 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)
HLL150-29P-29P-12	12"	$\leq 1.6$ dB
HLL150-29P-29P-18	18"	$\leq 2.0$ dB
HLL150-29P-29P-24	24"	$\leq 2.4$ dB
HLL150-29P-29P-30	30"	$\leq 2.8$ dB
HLL150-29P-29P-36	36"	$\leq 3.2$ dB
HLL150-29P-29P-48	48"	$\leq 3.9$ dB
HLL150-29P-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 0.75 inch
- Recommended Bend Radius 2.0 inch

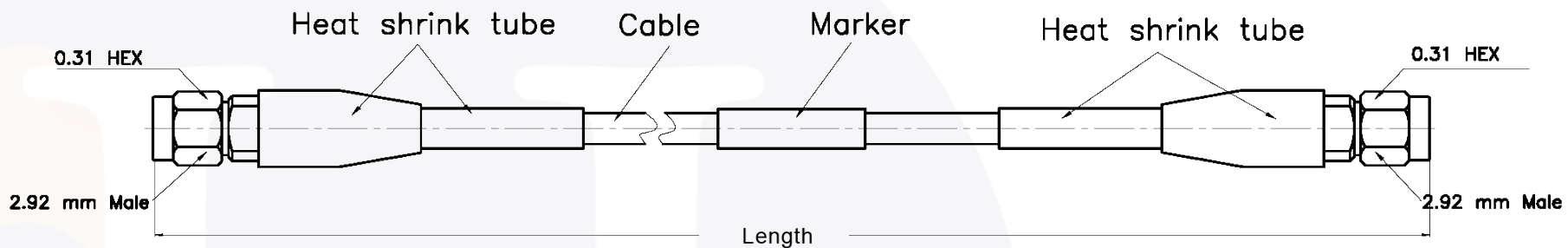
### Environmental


- Temperature Range -55°C to 85°C

### Material

- Connector Body & Nut Passivated Stainless Steel
- Gasket Silicon
- Dielectric PTFE
- Center Contact Silver plated Copper
- Cable Jacket FEP

# HLL150 Low Loss Flexible Cable Series with 2.92mm Male Connectors | DC - 40 GHz | Outline Drawing



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							SEE DATA SHEET	0T8L4	N/A	A
							FINISHES:	PART NO./DRAWING NO.		REV:
							SEE DATA SHEET	<b>HLL150-29P-29P-L</b>		A
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