


Part No:

HSS45A-29P-29P-L



HSS45A Low Loss Flexible Armored Cable Series with 2.92mm Male Connectors - 40 GHz

Features

- RoHS Compliant 
- Low Loss, Low VSWR, High Reliability
- Phase Stable vs. Flexure: $\pm 3.5^\circ$ @ 40 GHz
(When wrapped 360° around a 2" diameter mandrel)

The HASCO **HSS45A** is a Low Loss Flexible 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)
HSS45A-29P-29P-18	18"	≤ 3.2 dB
HSS45A-29P-29P-24	24"	≤ 4.0 dB
HSS45A-29P-29P-30	30"	≤ 4.8 dB
HSS45A-29P-29P-36	36"	≤ 5.7 dB
HSS45A-29P-29P-48	48"	≤ 7.3 dB
HSS45A-29P-29P-60	60"	≤ 8.9 dB

Electrical

- Impedance 50 Ω
- Frequency Range DC - 40 GHz
- VSWR 1.35:1 Max
- Insertion Loss 1.59 dB/ft @ 40 GHz
- Amplitude Stability $\leq \pm 0.4$ dB thru 40 GHz
- Velocity of Propagation 70%
- Capacitance 96.4 pF/ft
- Power CW 81 W @ 2 GHz 21 W @ 18 GHz 10 W @ 40 GHz
- Phase Stability vs. Flexure $\pm 0.2^\circ$ $\pm 1.8^\circ$ $\pm 4.0^\circ$
- RF Leakage < -110 dB @ 18 GHz

Mechanical

- Min Bend Radius 1.0 inch
- Recommended Bend Radius 1.5 inch

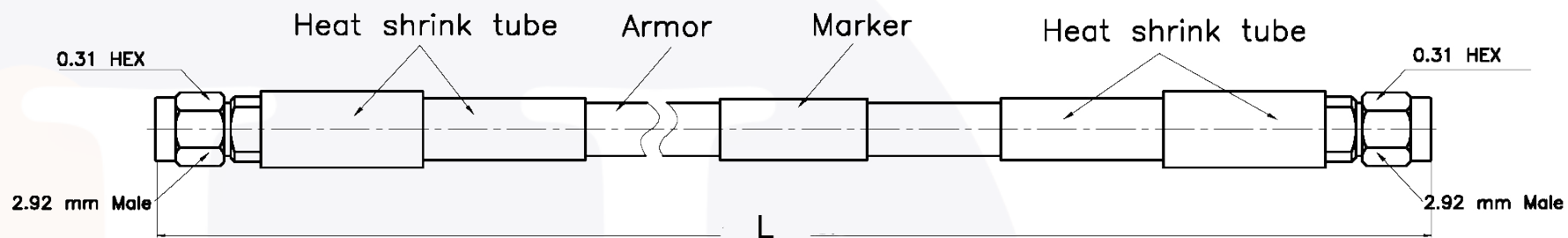
Environmental


- Temperature Range -55°C to 85°C

Material

- Connector Body & Nut Passivated Stainless Steel
- Gasket Silicon
- Dielectric PEEK
- Center Contact Gold plated BeCu
- Braids Flat SPC Strip (inner), SPC Braid (outer)
- VA Armor Stainless Steel Flat Spiral
- Cable Jacket FEP

HSS45A 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 www.hasco-inc.com			
-	RELEASE	1/25	TC		APPROVED BY: <i>TC</i>				
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						SEE DATA SHEET	0T8L4	N/A	A
						FINISHES:	PART NO./DRAWING NO.		REV:
						SEE DATA SHEET	HSS45A-29P-29P-L		A
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