

Part No:


HSB42



HSB42 Ultra Flexible Cable Series - 26.5 GHz



Features

- RoHS Compliant 
- Available with stainless steel armor
- Amplitude Stable vs. Flexure: ± 0.1 dB thru 26.5 GHz
- Phase Stable vs. Flexure: $\pm 2.95^\circ$ @ 26.5 GHz
(When wrapped 360° around a 1.95" radius mandrel)

The HASCO **HSB42** is an Ultra Flexiible Cable Series that is phase stable and amplitude stable vs. flexure. Available with SMA Male to SMA Male, and SMA Male to SMA Female connectors and rated to 26.5 GHz.

Attenuation & Power Handling @ +25°C and Sea Level

Frequency (MHz)	Attenuation (Typ.) (dB/m)	Max Power Handling (Watts)
1000	0.38	550
3000	0.69	350
5000	0.92	245
10000	1.36	140
18000	1.95	125
26500	2.59	90

Electrical

• Impedance	50 Ω		
• Frequency Range	DC - 26.5 GHz		
• VSWR	1.40:1 Max		
• Insertion Loss	-0.79 dB/ft @ 26.5 GHz		
• Velocity of Propogation	70%		
• Time Delay	1.40 ns/ft		
• Capacitance	29.4 pF/ft		
• Power CW	420 W @ 2 GHz	140 W @ 10 GHz	75 W @ 26.5 GHz
• Phase Stability vs. Flexure	$\pm 0.22^\circ$	$\pm 1.11^\circ$	$\pm 2.95^\circ$
• RF Leakage	< -95 dB dB @ 18 GHz		

Mechanical

• Min Bend Radius	1.0 inch
• Recommended Bend Radius	1.95 inch

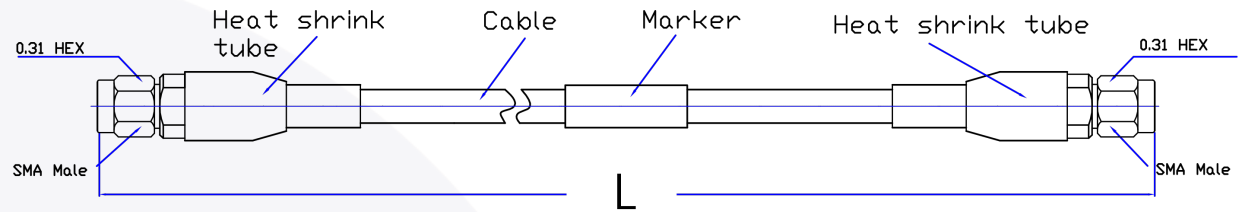
Environmental

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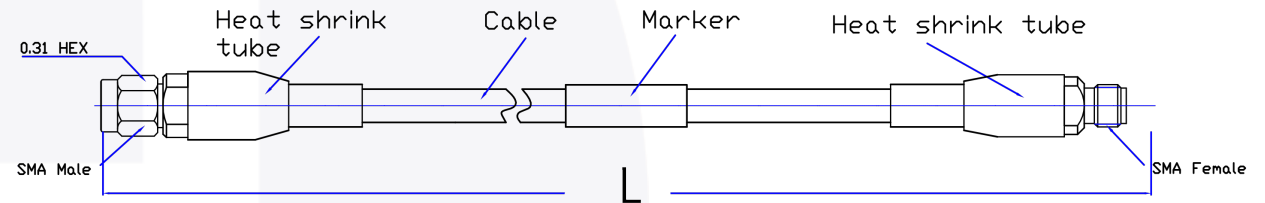
Material


• Connector Body & Nut	Passivated Stainless Steel
• Dielectric	PTFE
• Center Contact	Gold Plated BeCu
• Gasket	Silicon
• Braid	Flat SPC Strip (inner), SPC Braid (outer)
• Inner Conductor	SPC
• Cable Jacket	PVC

SMA Male to SMA Male



SMA Male to SMA Female



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS	 5214 Bonsai Avenue • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com www.hasco-inc.com			
-	RELEASE	1/14	TC		APPROVED BY: TC				
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						SEE DATA SHEET	0T8L4	N/A	A
						FINISHES:	PART NO./DRAWING NO.	REV:	
						SEE DATA SHEET	HSB42	A	
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