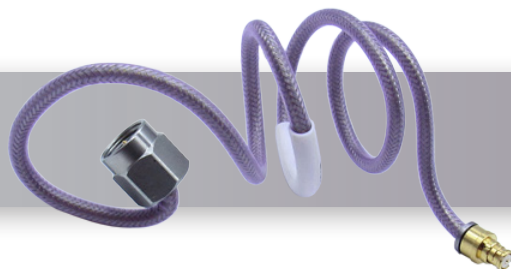


Part No:

# HLB098-S1-SMPJ-L



## HLB098 Flexible Cable Assembly with SMA Male Straight to SMP Female Straight Connectors • DC ~ 26.5 GHz

The HASCO HLB098 Littlebend Flexible Cable is designed for demanding microwave interconnect requirements. They are phase and amplitude stable, this cable is well suited for dense microwave packaging with a 5.0mm minimum bend radius in a 0.098" cable with stainless steel braid.

**HLB098-S1-SMPJ-L** Littlebend flexible cables are terminated with high performance SMP straight connectors. Also available in SMA, 2.92mm, and 2.4mm connectors. Additional configurations available by special order.

The HASCO **HLB098-S1-SMPJ-L** Littlebend flexible cable series is RoHS Compliant.



Part #	*L	2GHz		12.4 GHz		18 GHz		24 GHz		26.5 GHz	
		VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)
HLB098-S1-SMPJ-03	3"	1.15:1	0.3	1.25:1	0.5	1.30:1	0.6	1.35:1	0.7	1.35:1	0.8
HLB098-S1-SMPJ-04	4"	1.15:1	0.3	1.25:1	0.6	1.30:1	0.7	1.35:1	0.8	1.35:1	0.8
HLB098-S1-SMPJ-05	5"	1.15:1	0.3	1.25:1	0.6	1.30:1	0.8	1.35:1	0.9	1.35:1	0.9
HLB098-S1-SMPJ-06	6"	1.15:1	0.3	1.25:1	0.7	1.30:1	0.8	1.35:1	0.9	1.35:1	1.0
HLB098-S1-SMPJ-07	7"	1.15:1	0.4	1.25:1	0.8	1.30:1	0.9	1.35:1	1.0	1.35:1	1.1
HLB098-S1-SMPJ-08	8"	1.15:1	0.4	1.25:1	0.8	1.30:1	1.0	1.35:1	1.1	1.35:1	1.2
HLB098-S1-SMPJ-09	9"	1.15:1	0.4	1.25:1	0.9	1.30:1	1.0	1.35:1	1.2	1.35:1	1.3
HLB098-S1-SMPJ-10	10"	1.15:1	0.4	1.25:1	0.9	1.30:1	1.1	1.35:1	1.3	1.35:1	1.4
HLB098-S1-SMPJ-11	11"	1.15:1	0.4	1.25:1	1.0	1.30:1	1.2	1.35:1	1.4	1.35:1	1.5
HLB098-S1-SMPJ-12	12"	1.15:1	0.5	1.25:1	1.1	1.30:1	1.2	1.35:1	1.4	1.35:1	1.5
HLB098-S1-SMPJ-13	13"	1.15:1	0.5	1.25:1	1.1	1.30:1	1.3	1.35:1	1.5	1.35:1	1.6
HLB098-S1-SMPJ-14	14"	1.15:1	0.5	1.25:1	1.2	1.30:1	1.4	1.35:1	1.6	1.35:1	1.7
HLB098-S1-SMPJ-15	15"	1.15:1	0.5	1.25:1	1.2	1.30:1	1.5	1.35:1	1.7	1.35:1	1.8
HLB098-S1-SMPJ-16	16"	1.15:1	0.6	1.25:1	1.3	1.30:1	1.5	1.35:1	1.8	1.35:1	1.9
HLB098-S1-SMPJ-17	17"	1.15:1	0.6	1.25:1	1.4	1.30:1	1.6	1.35:1	1.9	1.35:1	2.0
HLB098-S1-SMPJ-18	18"	1.15:1	0.6	1.25:1	1.4	1.30:1	1.7	1.35:1	1.9	1.35:1	2.1
HLB098-S1-SMPJ-19	19"	1.15:1	0.6	1.25:1	1.5	1.30:1	1.7	1.35:1	2.0	1.35:1	2.2
HLB098-S1-SMPJ-20	20"	1.15:1	0.6	1.25:1	1.5	1.30:1	1.8	1.35:1	2.1	1.35:1	2.3
HLB098-S1-SMPJ-21	21"	1.15:1	0.7	1.25:1	1.6	1.30:1	1.9	1.35:1	2.2	1.35:1	2.3
HLB098-S1-SMPJ-22	22"	1.15:1	0.7	1.25:1	1.6	1.30:1	2.0	1.35:1	2.3	1.35:1	2.4
HLB098-S1-SMPJ-23	23"	1.15:1	0.7	1.25:1	1.7	1.30:1	2.0	1.35:1	2.4	1.35:1	2.5
HLB098-S1-SMPJ-24	24"	1.15:1	0.7	1.25:1	1.8	1.30:1	2.1	1.35:1	2.4	1.35:1	2.6
HLB098-S1-SMPJ-30	30"	1.15:1	0.9	1.25:1	2.1	1.30:1	2.5	1.35:1	2.9	1.35:1	3.1
HLB098-S1-SMPJ-36	36"	1.15:1	1.0	1.25:1	2.5	1.30:1	3.0	1.35:1	3.4	1.35:1	3.7
HLB098-S1-SMPJ-1M	1 Meter	1.15:1	1.1	1.25:1	2.8	1.30:1	3.3	1.35:1	3.8	1.35:1	4.1
HLB098-S1-SMPJ-48	48"	1.15:1	1.3	1.25:1	3.2	1.30:1	3.8	1.35:1	4.4	1.35:1	4.7

### Electrical

- Impedance 50 Ohms
- Frequency Range DC - 26.5 GHz
- VSWR See Chart
- Insertion Loss See Chart
- Velocity of Propagation 74%
- Time Delay 4.50 ns/meter
- Amplitude Stability ±0.06dB/m @ 26.5 GHz
- Phase Stability ±2.7° @ 26.5 GHz
- Dielectric Withstanding Voltage 500V
- Insulation Resistance 1000MΩ

### Mechanical

- Min Bend Radius Static: 5.0 mm  
Repeated: 10mm
- Durability 1000 cycles Min.

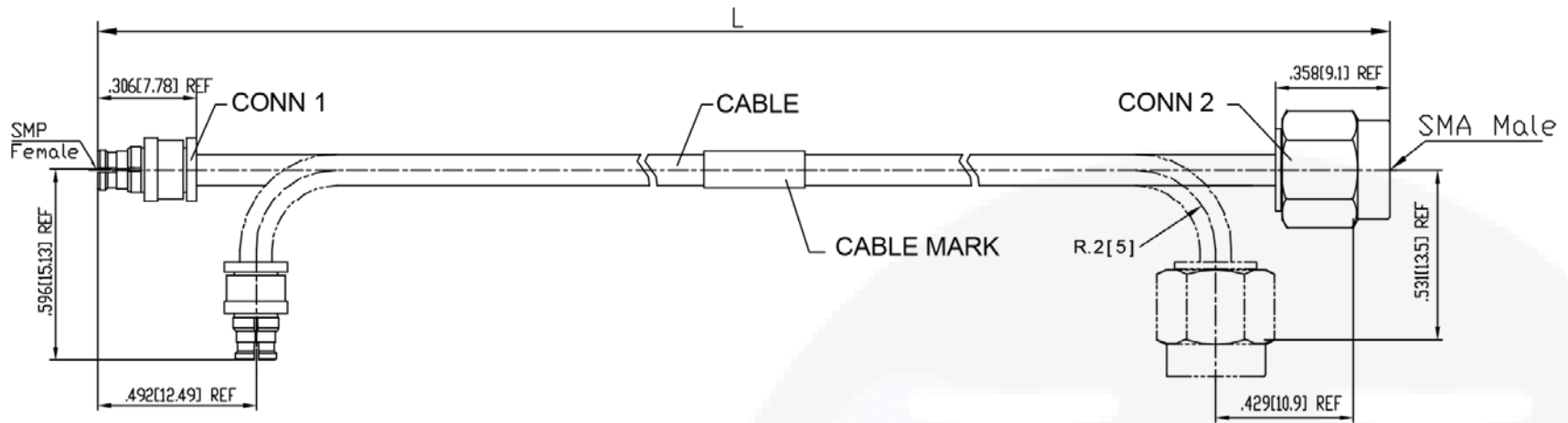
### Environmental Data


- Temperature Range -55°C to +125°C

### Material

- Cable Center Conductor Silver Plated Solid Copper
- Cable Outer Conductor Silver Plated Copper Strip
- Cable Jacket FEP
- Cable Dielectric Low Density PTFE
- SMP Body Passivated Stainless Steel
- SMP Center Contact Gold Plated Brass
- SMA and SMP Dielectric PTFE
- SMP Body Gold Plated BeCu
- SMP Center Contact Gold Plated BeCu

LittleBend SMA Male to SMP Female Ultra Flexible RF Cable Series | DC ~ 26.5 GHz | Outline Drawing



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-	RELEASE	12/21	TAC	APPROVED BY: 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: SEE DATA SHEET
						CAGE CODE: OT8L4
						SCALE: N/A
						SIZE: A
						PART NO./DRAWING NO. <b>HLB098-S1-SMPJ-L</b>
						REV: -
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