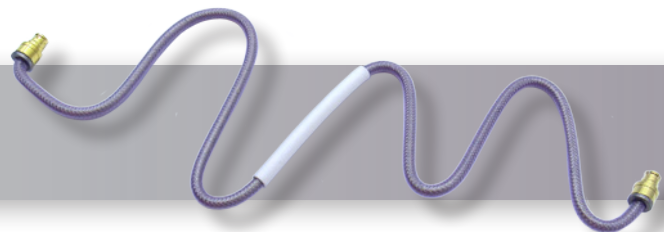


Part No:

HLB098-SMPJ-SMPJ-L



HLB098 Flexible Cable Assembly with SMP Female Straight to SMP Female Straight Connectors • DC ~ 40 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-SMPJ-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-SMPJ-SMPJ-L** Littlebend flexible cable series is RoHS Compliant.



Part #	*L	2GHz		12.4 GHz		18 GHz		24 GHz		26.5 GHz		40 GHz	
		VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)
HLB098-SMPJ-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	1.40:1	0.9
HLB098-SMPJ-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	1.40:1	1.0
HLB098-SMPJ-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	1.40:1	1.1
HLB098-SMPJ-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	1.40:1	1.2
HLB098-SMPJ-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	1.40:1	1.3
HLB098-SMPJ-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	1.40:1	1.4
HLB098-SMPJ-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	1.40:1	1.5
HLB098-SMPJ-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	1.40:1	1.7
HLB098-SMPJ-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	1.40:1	1.8
HLB098-SMPJ-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	1.40:1	1.9
HLB098-SMPJ-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	1.40:1	2.0
HLB098-SMPJ-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	1.40:1	2.1
HLB098-SMPJ-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	1.40:1	2.2
HLB098-SMPJ-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	1.40:1	2.3
HLB098-SMPJ-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	1.40:1	2.4
HLB098-SMPJ-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	1.40:1	2.5
HLB098-SMPJ-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	1.40:1	2.6
HLB098-SMPJ-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	1.40:1	2.8
HLB098-SMPJ-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	1.40:1	2.9
HLB098-SMPJ-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	1.40:1	3.0
HLB098-SMPJ-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	1.40:1	3.1
HLB098-SMPJ-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	1.40:1	3.2
HLB098-SMPJ-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	1.40:1	3.9
HLB098-SMPJ-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	1.40:1	4.5
HLB098-SMPJ-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	1.40:1	5.0
HLB098-SMPJ-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	1.40:1	5.9

Electrical

- Impedance: 50 Ohms
- Frequency Range: DC - 40 GHz
- VSWR: See Chart
- Insertion Loss: See Chart
- Velocity of Propagation: 74%
- Time Delay: 4.50 ns/meter
- Amplitude Stability: ±0.08dB/m @ 40 GHz
- Phase Stability: ±4.0° @ 40 GHz
- Power Handling @ 20°C: (When wrapped around a 26.4mm Radius Mandrel)
 - 1 GHz - 103W
 - 6 GHz - 40W
 - 18 GHz - 22W
 - 26.5 GHz - 18W
 - 40 GHz - 14W
- Dielectric Withstanding Voltage: 500V
- Insulation Resistance: 1000MΩ

Mechanical

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

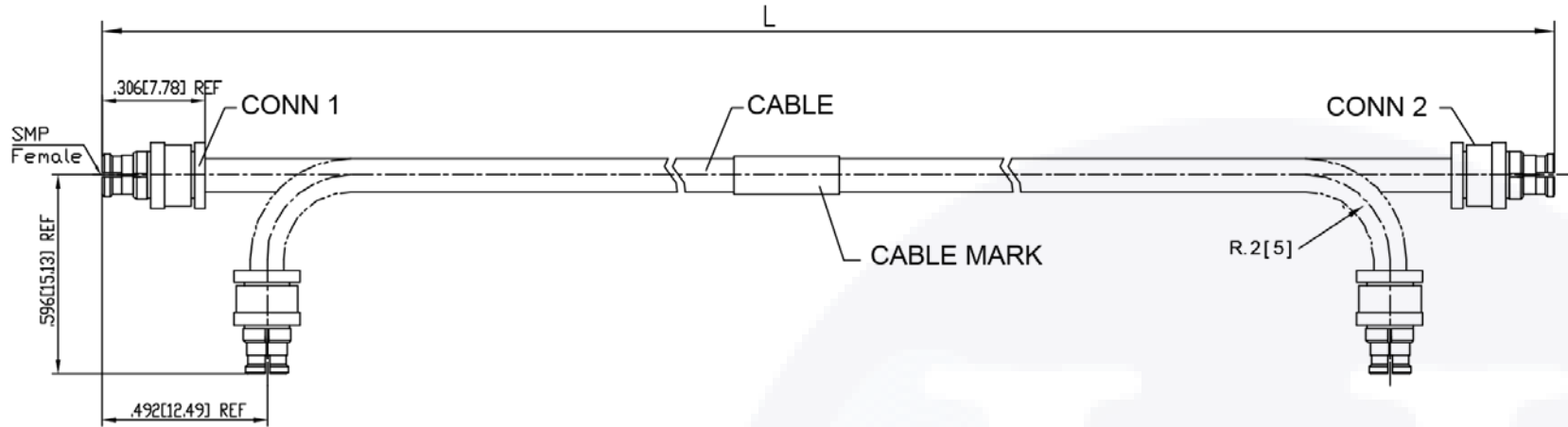
Environmental Data


- 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: Gold Plated BeCu
- SMP Center Contact: Gold Plated BeCu
- SMP Dielectric: PTFE

LittleBend SMP Female to SMP Female Ultra Flexible RF Cable Series | DC ~ 40 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: 0T8L4
						SCALE: N/A
						SIZE: A
						PART NO./DRAWING NO. HLB098-SMPJ-SMPJ-L
						REV: -
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