

Part No:

# HLB098-SMPJ-SMPPBH-L



*HLB098 Flexible Cable Assembly with SMP Female to SMP Male Bulkhead Connectors • DC - 18 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-SMPPBH-L** Littlebend flexible cables are terminated with high performance SMP and SMP Bulkhead connectors. Also available in SMA, Type N, Type N Bulkhead, 1.0mm, 1.85mm, 2.4mm, and 2.92mm connectors. Additional configurations available by special order.

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

## Electrical

- Impedance 50 Ohms
- Frequency Range DC - 18 GHz
- VSWR See Chart
- Insertion Loss See Chart
- Dielectric Withstanding Voltage 500V
- Insulation Resistance 1000MΩ

## Mechanical

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

## Environmental Data

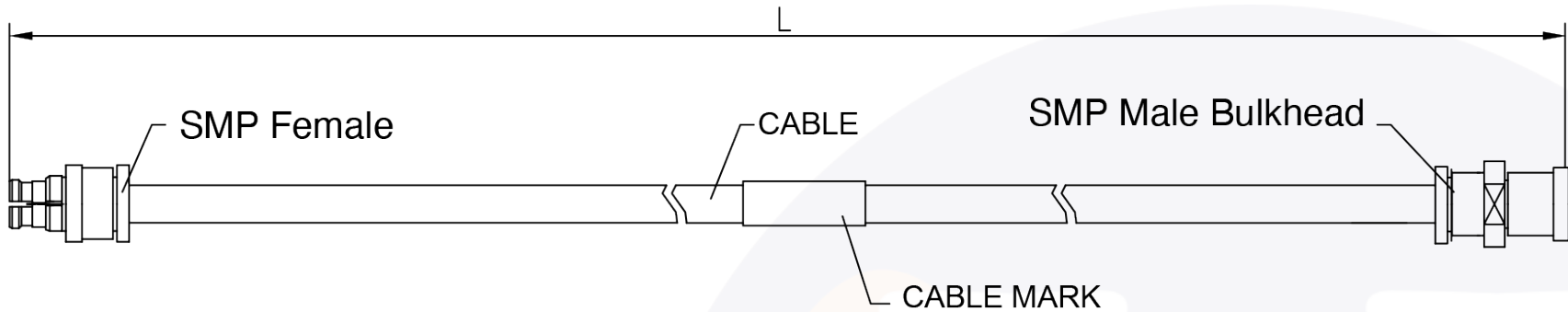
- Temperature Range -55°C to +125°C
- RoHS Compliant

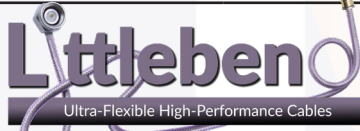


## Material

- Cable Center Conductor Silver Plated Solid Copper
- Cable Outer Conductor Silver Plated Copper Strip
- Cable Jacket FEP
- Cable Dielectric PTFE
- Connector Body Gold plated BeCu
- SMP Male BH Cen. Contact Gold Plated Brass
- SMP Female Cen. Contact Gold Plated BeCu
- Connector Dielectric PTFE
- Connector Coupling Nut Passivated Stainless Steel

LittleBend SMP Female to SMP Male Bulkhead Ultra Flexible RF Cable Series | DC - 18 GHz | Outline Drawing



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							SEE DATA SHEET	0T8L4	N/A	A
							FINISHES:	PART NO./DRAWING NO.	REV:	
							SEE DATA SHEET	<b>HLB098-SMPJ-SMPPBH-L</b>	-	
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