

Part No:

# HLB098-S1-NP-L



## HLB098 Flexible Cable Assembly with SMA Male to Type N Male 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.

Part #	*L	18 GHz	
		VSWR	IL(dB)
HLB098-S1-NP-03	3"	1.35:1	0.6
HLB098-S1-NP-04	4"	1.35:1	0.7
HLB098-S1-NP-05	5"	1.35:1	0.8
HLB098-S1-NP-06	6"	1.35:1	0.8
HLB098-S1-NP-07	7"	1.35:1	0.9
HLB098-S1-NP-08	8"	1.35:1	1.0
HLB098-S1-NP-09	9"	1.35:1	1.0
HLB098-S1-NP-10	10"	1.35:1	1.1
HLB098-S1-NP-11	11"	1.35:1	1.2
HLB098-S1-NP-12	12"	1.35:1	1.2
HLB098-S1-NP-13	13"	1.35:1	1.3
HLB098-S1-NP-14	14"	1.35:1	1.4
HLB098-S1-NP-15	15"	1.35:1	1.5
HLB098-S1-NP-16	16"	1.35:1	1.5
HLB098-S1-NP-17	17"	1.35:1	1.6
HLB098-S1-NP-18	18"	1.35:1	1.7
HLB098-S1-NP-19	19"	1.35:1	1.7
HLB098-S1-NP-20	20"	1.35:1	1.8
HLB098-S1-NP-21	21"	1.35:1	1.9
HLB098-S1-NP-22	22"	1.35:1	2.0
HLB098-S1-NP-23	23"	1.35:1	2.0
HLB098-S1-NP-24	24"	1.35:1	2.1
HLB098-S1-NP-28	28"	1.35:1	2.3
HLB098-S1-NP-30	30"	1.35:1	2.5
HLB098-S1-NP-32	32"	1.35:1	2.7
HLB098-S1-NP-36	36"	1.35:1	3.0
HLB098-S1-NP-48	48"	1.35:1	3.8

**HLB098-S1-NP-L** Littlebend flexible cables are terminated with high performance SMA and Type N Bulkhead connectors. Also available in SMA, SMP, Type N Bulkhead, 1.0mm, 1.85mm, 2.4mm, and 2.92mm connectors. Additional configurations available by special order.



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

### Electrical

- Impedance: 50 Ohms
- Frequency Range: DC - 18 GHz
- VSWR: See Chart
- Insertion Loss: See Chart
- Velocity of Propagation: 74%
- Time Delay: 4.50 ns/meter
- Amplitude Stability: ±0.08dB/m @ 18 GHz
- Phase Stability: ±4.0° @ 18 GHz
- Dielectric Withstanding Voltage: 750V
- Insulation Resistance: 1000MΩ

### Mechanical

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

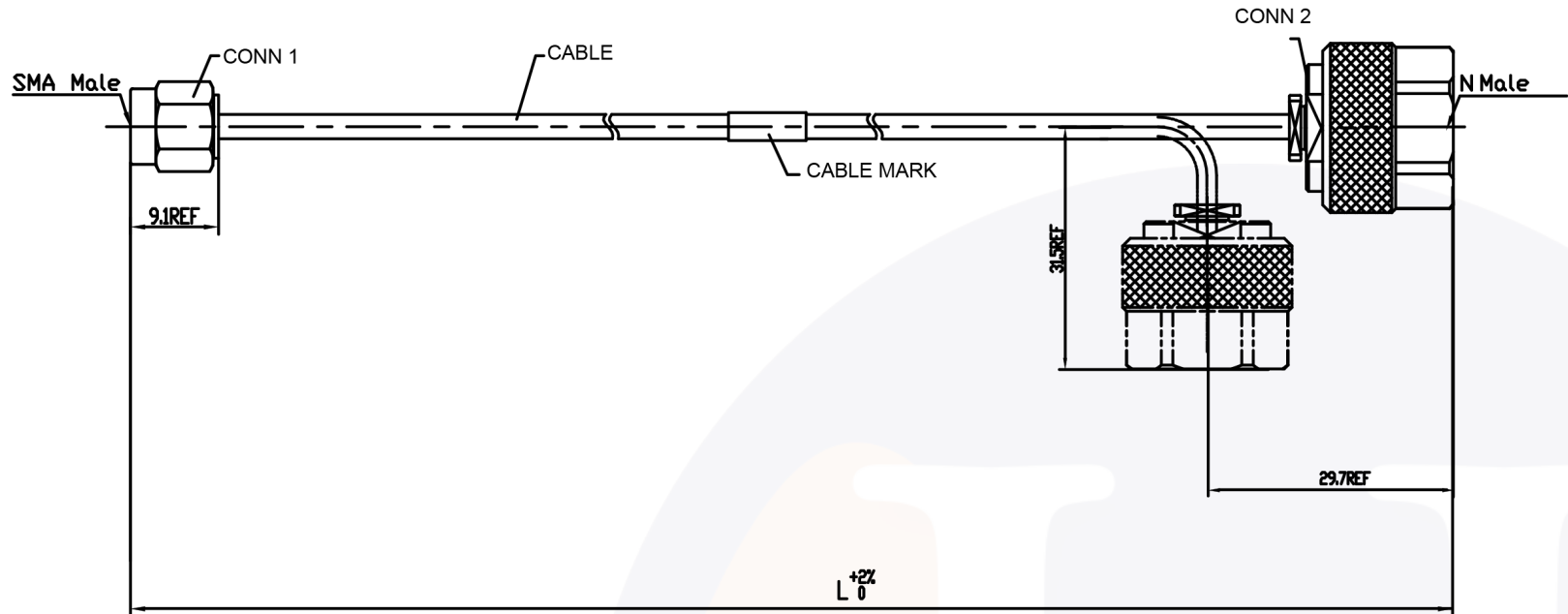
### Environmental Data

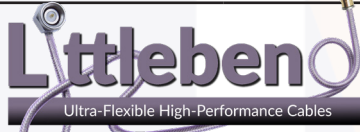
- Temperature Range: -55°C to +125°C

### Material

- Cable Center Conductor: Silver Plated Solid Copper
- Cable Outer Conductor: Silver Plated Copper Strip
- Cable Jacket: FEP
- Cable Dielectric: PTFE
- N Body/Nut: Passivated Stainless Steel
- N Center Contact: Gold Plated Brass
- N Dielectric: PTFE
- SMA Body/Nut: Passivated Stainless Steel
- SMA Center Contact: Gold Plated Brass
- SMA Dielectric: PTFE

LittleBend SMA Male to Type N Male Ultra Flexible RF Cable Series | DC ~ 18 GHz | Outline Drawing



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-	RELEASE	5/24	TC	APPROVED BY: TC		
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