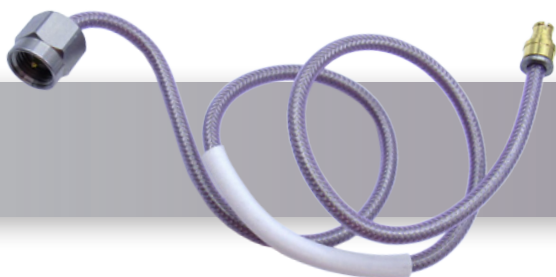


Part No:

HLB098-SMPJ-KP-L



HLB098 Flexible Cable Assembly with SMP Female to 2.92mm Male 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.

HLB0982-SMPJ-KP-L Littlebend flexible cables are terminated with high performance SMP and 2.92mm straight connectors. Also available in SMA and 2.4mm connectors. Additional configurations available by special order.

The HASCO **HLB098-SMPJ-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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-KP-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
- Dielectric Withstanding Voltage 500V
- Insulation Resistance 1000MΩ

Mechanical

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

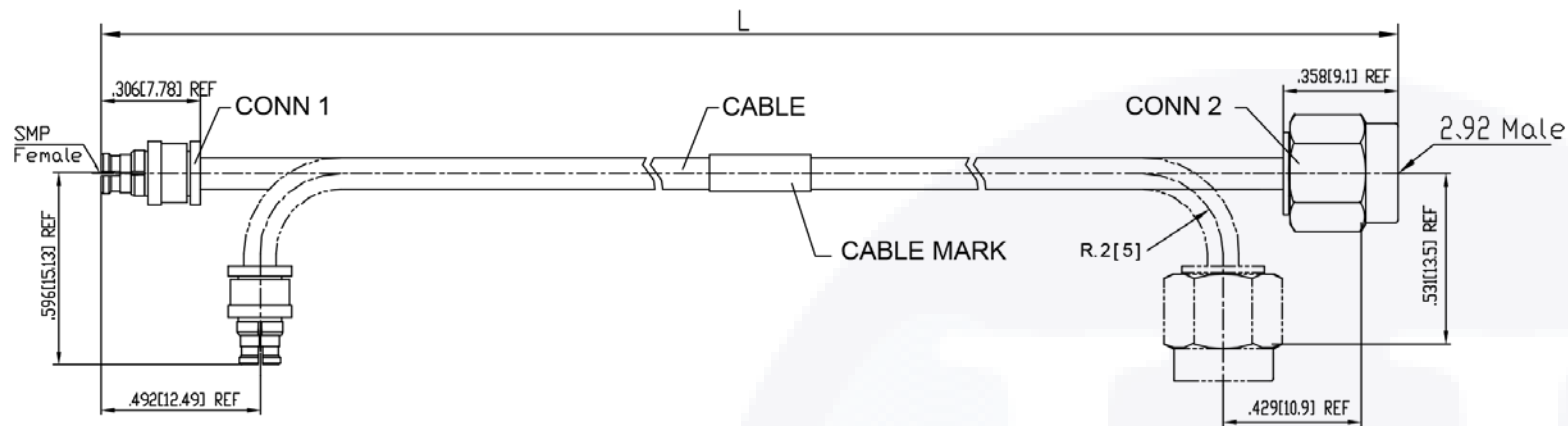
Environmental Data


- 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
- 2.92mm Body & Nut Passivated Stainless Steel
- 2.92mm Center Contact Gold Plated Brass
- 2.92mm Dielectric PEI
- SMP Body & Center Contact Gold Plated BeCu
- SMP Dielectric PTFE

LittleBend SMP Female to 2.92mm Male 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: OT8L4
						SCALE: N/A
						SIZE: A
						PART NO./DRAWING NO. HLB098-SMPJ-KP-L
						REV: -
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