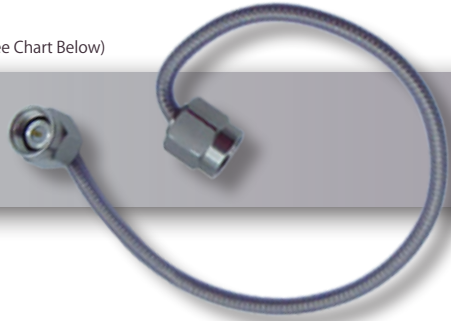


Part No:

HLB098-KP-KP-L*

*L=Length (See Chart Below)



HLB098 Ultra Flexible Cable Assembly with 2.92mm Male Straight to 2.92mm Male Straight Connectors • DC ~ 40 GHz

The HLB098 Littleben Ultra Flexible RF 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 0.20" minimum bend radius in an 0.098" cable with stainless steel braid.

HLB098-KP-KP-L* Littleben Ultra Flexible RF cables are terminated with high-performance 2.92mm connectors. (Also available in SMA, 2.4mm and SMP connectors.) Additional configurations available by special order.

The **HLB098-KP-KP-L*** Littleben Ultra-Flexible RF 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-KP-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	1.35:1	0.9
HLB098-KP-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	1.35:1	1.0
HLB098-KP-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	1.35:1	1.1
HLB098-KP-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	1.35:1	1.2
HLB098-KP-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	1.35:1	1.3
HLB098-KP-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	1.35:1	1.4
HLB098-KP-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	1.35:1	1.5
HLB098-KP-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	1.35:1	1.7
HLB098-KP-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	1.35:1	1.8
HLB098-KP-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	1.35:1	1.9
HLB098-KP-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	1.35:1	2.0
HLB098-KP-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	1.35:1	2.1
HLB098-KP-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	1.35:1	2.2
HLB098-KP-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	1.35:1	2.3
HLB098-KP-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	1.35:1	2.4
HLB098-KP-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	1.35:1	2.5
HLB098-KP-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	1.35:1	2.6
HLB098-KP-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	1.35:1	3.2
HLB098-KP-KP-28	28"	1.15:1	0.8	1.25:1	2.0	1.30:1	2.4	1.35:1	2.7	1.35:1	2.9	1.35:1	3.5
HLB098-KP-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	1.35:1	3.9
HLB098-KP-KP-32	32"	1.15:1	0.9	1.25:1	2.4	1.30:1	2.8	1.35:1	3.2	1.35:1	3.5	1.35:1	4.2
HLB098-KP-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	1.35:1	4.5
HLB098-KP-KP-1M	1 Meter	1.15:1	1.2	1.25:1	3.0	1.30:1	3.2	1.35:1	3.7	1.35:1	4.0	1.35:1	5.1
HLB098-KP-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	1.35:1	5.9

Electrical

- Impedance: 50 Ohms
- Frequency Range: DC - 40 GHz
- VSWR: See Chart
- Insertion Loss: See Chart
- Amplitude Stability: ±0.15dB @ 40 GHz
- Phase Stability vs Flexure: ±10° @ 40 GHz
(When wrapped around a 26.4mm Radius Mandrel)
- Power Handling @ 20°C:
 - 1 GHz - 103W
 - 6 GHz - 40W
 - 18 GHz - 22W
 - 26.5 GHz - 18W
 - 40 GHz - 14W
- Dielectric Withstanding Voltage: 750V
- Insulation Resistance: 1000MΩ

Mechanical

- Min Bend Radius: Static: 0.20", Repeated: 0.40"
- Durability: 1000 cycles Min.

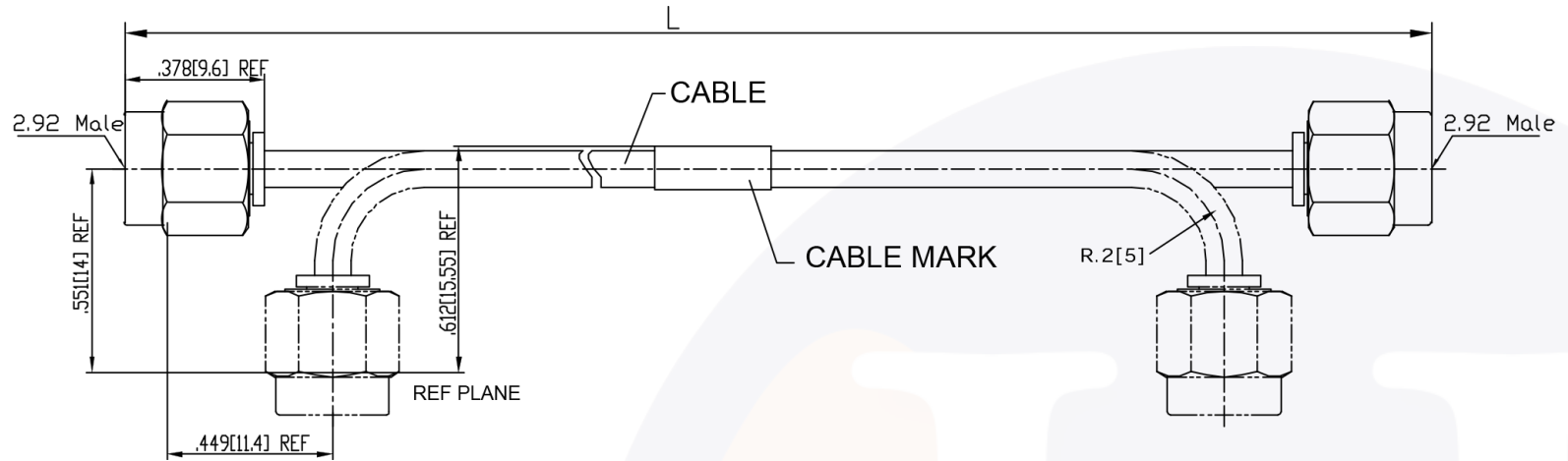
Environmental Data

- Temperature Range: -55°C to +125°C

Material

- Cable Center Conductor: Silver Plated Solid Copper
- Cable Outer Conductor: Silver Plated Copper Strip
- Cable Interlayer: Aluminum Foil
- Cable Outer Shield: Stainless Steel Braid
- Cable Jacket: FEP
- Dielectric: Low Density PTFE
- 2.92mm Body & Nut: Passivated Stainless Steel
- 2.92mm Center Contact: Gold Plated Brass

LittleBend 2.92mm Male to 2.92mm Male Ultra Flexible RF Cable Series | DC - 40 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: JMS	CHECKED BY: TAC
-	RELEASE	10/21	TAC	APPROVED BY: TAC	
A	MATERIALS UPDATE	02/23	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.	
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MATERIALS: SEE DATA SHEET	CAGE CODE: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. HLB098-KP-KP-L*		REV: A
*L=Length (See Chart on Page 1)			