

Part No:

HLB055-WP-WJ-L*

*L=Length (See Chart Below)

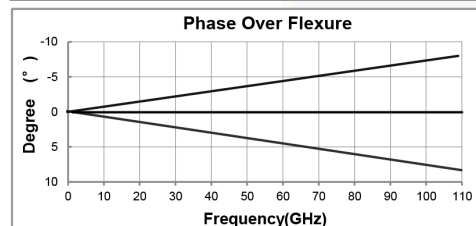
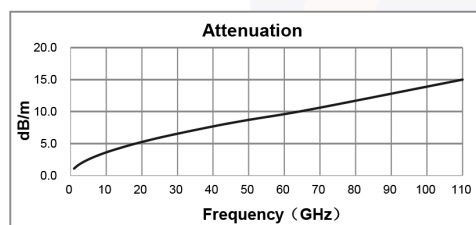
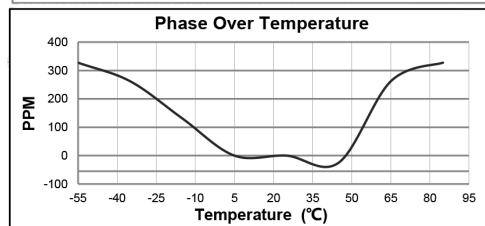
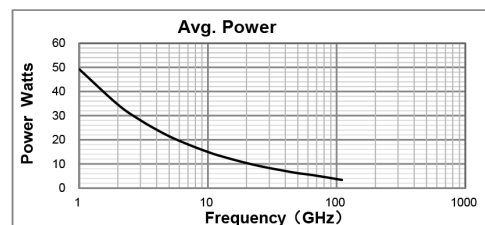


HLB055 Flexible Cable Assembly with 1.0mm Male to 1.0mm Female Connectors • DC ~ 110 GHz

The HLB055 Little-110 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 0.12" minimum bend radius in an 0.055" cable with stainless steel braid.

HLB055-WP-WJ-L* Little-110 Ultra Flexible RF cables are terminated with high-performance 1.0mm connectors. (Also available in 2.92mm, 2.4mm, 1.85mm, SMA, SMP and SMPM connectors.) Additional configurations available by special order.

Part #	*L	2GHz		24 GHz		40 GHz		50 GHz		67 GHz		110 GHz	
		VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)	VSWR	IL(dB)
HLB055-WP-WJ-04	4"	1.15:1	0.3	1.30:1	1	1.35:1	1.3	1.35:1	1.5	1.40:1	1.9	1.50:1	2.6
HLB055-WP-WJ-06	6"	1.15:1	0.4	1.30:1	1.3	1.35:1	1.7	1.35:1	2	1.40:1	2.4	1.50:1	3.3
HLB055-WP-WJ-08	8"	1.15:1	0.5	1.30:1	1.6	1.35:1	2.1	1.35:1	2.4	1.40:1	2.9	1.50:1	4.1
HLB055-WP-WJ-10	10"	1.15:1	0.6	1.30:1	1.9	1.35:1	2.5	1.35:1	2.9	1.40:1	3.5	1.50:1	4.9
HLB055-WP-WJ-12	12"	1.15:1	0.7	1.30:1	2.2	1.35:1	2.9	1.35:1	3.3	1.40:1	4	1.50:1	5.6
HLB055-WP-WJ-18	18"	1.15:1	0.9	1.30:1	3.1	1.35:1	4.1	1.35:1	4.6	1.40:1	5.6	1.50:1	7.9
HLB055-WP-WJ-24	24"	1.15:1	1.2	1.30:1	4	1.35:1	5.2	1.35:1	6	1.40:1	7.1	1.50:1	10.2



Electrical

- Impedance 50 Ohms
- Frequency Range DC - 110 GHz
- VSWR See Chart
- Insertion Loss See Chart
- Diel. Withstanding Voltage 500V
- Insulation Resistance 1000MΩ
- Temp Phase Stability 400PPM @ -40°C ~ +70°C
- Amplitude Stability* <+0.1 dB @ 110 GHz
- Flex Phase Stability* <+8° @ 110 GHz

* Phase & Amplitude stability test method:
Wrap cable 360° around mandrel with
radius of 14.2mm

Mechanical

- Min Bend Radius Static: 3mm, Repeated: 6mm
- Durability 1000 cycles Min.

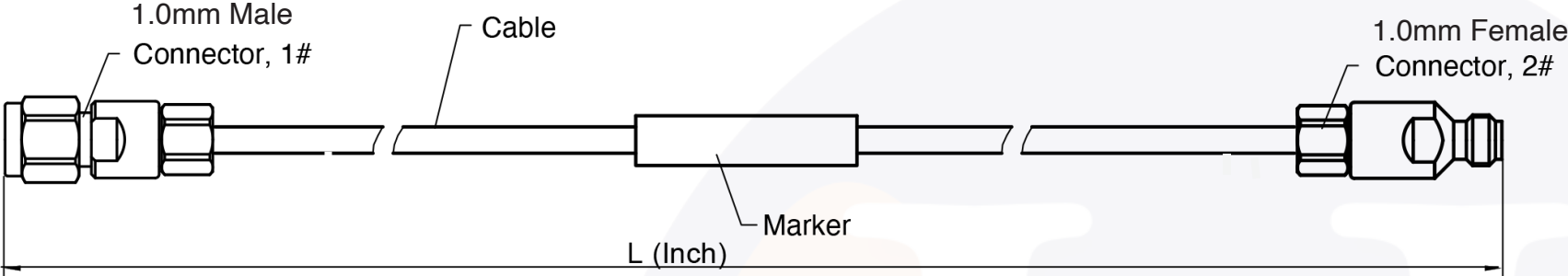
Environmental Data

- Temperature Range -55°C to +125°C
- The Littlebend Ultra Flexible RF cable series is RoHS Compliant.



Material

- Cable Center Conductor Silver Plated Solid Copper
- Cable Dielectric Foamed PTFE
- Cable Inner Shield Silver Plated Copper Strip
- Cable Outer Shield Silver Plated Copper Braid
- Cable Jacket FEP
- Connector Dielectric PEI
- 1.0mm Body & Nut Passivated Stainless Steel
- 1.0mm Center Contact Gold Plated BeCu



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	CHECKED BY: JS	 by HASCO, Inc. 5214 Bonsai Street • Moorpark, CA 93021 (888) 498-3242 • sales@hasco-inc.com www.hasco-inc.com/littlebend
-	RELEASE	03/23	TC		APPROVED BY: TC	
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MATERIALS:	CAGE CODE:	SCALE:	SIZE:
SEE DATA SHEET	0T8L4	N/A	A
FINISHES:	PART NO./DRAWING NO.		REV:
SEE DATA SHEET	HLB055-WP-WJ-L*		A
*L=Length (See Chart on Page 1)			