

Part No:

HLB055-WJ-WJ-L*

*L=Length (See Chart Below)

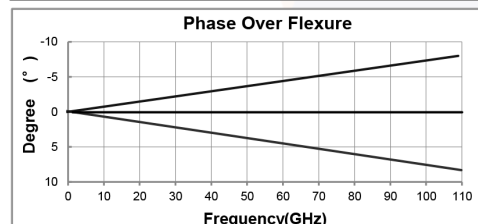
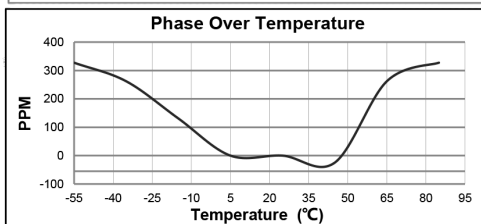
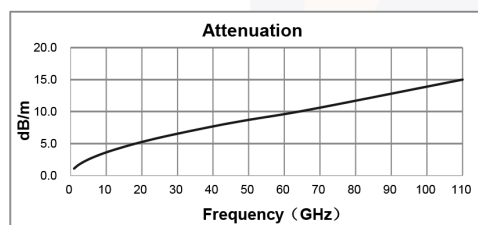
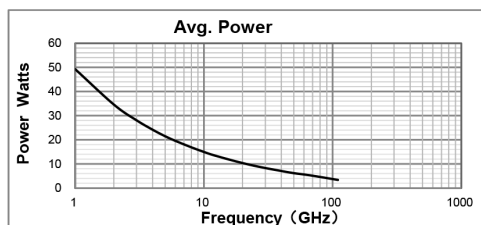


HLB055 Flexible Cable Assembly with 1.0mm Female Connectors • DC ~ 110 GHz

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-WJ-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-WJ-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-WJ-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-WJ-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-WJ-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-WJ-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-WJ-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-WJ-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.

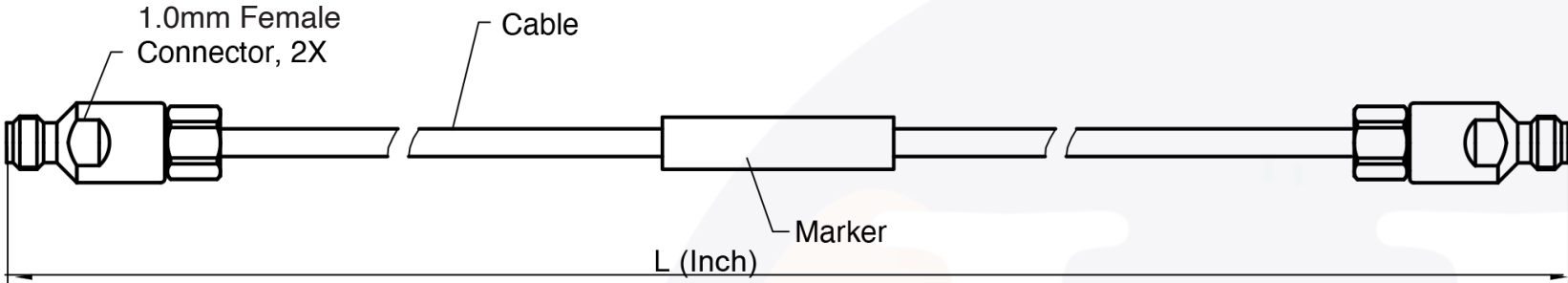
Environmental Data

• 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	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				
A	SPEC UPDATE	11/24	TC	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.					
THIS DRAWING IS A CONTROLLED DOCUMENT						MATERIALS:	CAGE CODE:	SCALE:	SIZE:
						SEE DATA SHEET	0T8L4	N/A	A
						FINISHES:	PART NO./DRAWING NO.		REV:
						SEE DATA SHEET	HLB055-WJ-WJ-L*		A
								*L=Length (See Chart on Page 1)	