

Microbend L



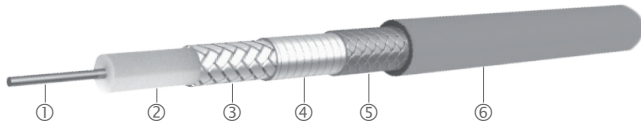
Microbend L is an enhanced, low loss version of the solderless Microbend flexible coaxial cable assembly. With increased phase stability and power handling capacity, it is designed for use in low profile, internal, point-to-point interconnections between RF modules within communications systems. Microbend L replaces 0.047 inch custom semi-rigid cables with standard flexible cables, providing 55 % lower attenuation and eliminating the need for predefined custom lengths and bend configurations. Microbend L provides you with a preassembled and tested high performance, cost-effective alternative in a variety of connector configurations.

Features and Benefits:

- Impedance 50 Ω
- Applicable up to 85 GHz
- Direct replacement for 0.047 inch semi-rigid cables
- Microporous dielectric for 20 % lower insertion loss, improved phase stability and higher power handling compared to Microbend.

Microbend L

Construction



Cable	Inner conductor ①	Dielectric ②	Outer conductor ③	Barrier ④	Outer braid ⑤	Jacket ⑥	Outer diameter mm
32085	CuAg wire	Microporous PTFE	CuAg flat wire braid	aluminium/ polyimide tape	stainless steel	FEP	2.0

Technical data

Cable	Operating frequency GHz	Velocity %	Weight g/m	Min. bending radius for $\pm 180^\circ$ mm	Temperature range $^\circ\text{C}$
32085	85	75.5	10.4	5.1	-55 to +200

Recommended connectors

SMA, SK, SMP, SMPM, SMPM-T, 1.85mm, 2.4mm, MMPX (other connectors available on request)

Standard configurations

Cable	Configuration	Operating frequency GHz
Microbend LR	2 x SMAm	26.5
Microbend LMR	SMAm + SMPMf	26.5
Microbend LMTR	SMAm + SMPM-Tf	26.5
Microbend LSR	SMAm + SMPf	26.5
Microbend LKR	2 x SKm	40
Microbend LKSR	SKm + SMPf	40
Microbend LKMR	SKm + SMPMf	40
Microbend LKMTR	SKm + SMPM-Tf	40
Microbend L2SR	2 x SMPf	40

Cable	Configuration	Operating frequency GHz
Microbend LQMR	2.4mm + SMPMf	50
Microbend LQMTR	2.4mm + SMPM-Tf	50
Microbend LPQR	2.4mm + MMPXm	50
Microbend L2MR	2 x SMPMf	65
Microbend LPMR	MMPXm + SMPMf	65
Microbend L2MTR	2 x SMPM-Tf	65
Microbend LMVR	1.85mm + SMPMf	65
Microbend LMTVR	1.85mm + SMPM-Tf	65
Microbend LVPR	1.85mm + MMPXm	65
Microbend L2PR	2 x MMPXm	65 (85)*

*tested up to 65 GHz, cut off at 85 GHz

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