

- ◆ Made for MCC300 platform interconnects
- ◆ 19" vertical / 15" horizontal lengths
- ◆ 100% PIM tested
- ◆ Low-loss 1/4" TFT-401-LF cable
- ◆ 4.3-10 (m) connectors both ends
- ◆ Custom lengths available
- ◆ RoHS compliant



Microlab MCCJ series jumpers are low-PIM 4.3-10 male to male assemblies built on 1/4" TFT-401-LF flexible cable. They are sized to connect MCC300-50x filter cards to wideband hybrid combiners such as the CM-680E-1R, CM-680E-2R and CM-141E-1R in 19" rack and MCC300 enclosure installations. The 19" jumper is intended for vertical mounting and the 15" jumper for horizontal mounting. Every assembly is PIM tested before shipment.

Electrical Specifications

Frequency:	DC to 6 GHz
Combined Power:	300W max
Impedance:	50 Ω nominal
PIM:	<-161 dBc, 100% tested (Test with 2x +43dBm tones)
VSWR:	<1.2:1 (DC - 4 GHz) <1.3:1 (4 - 6 GHz)
Shielding:	>80 dB
Velocity of Prop.:	72%
Environment:	-40°C to +125°C
RoHS:	Compliant

Connector Specifications

Type:	4.3-10 (m), both ends
Body/Nut:	Brass, Tri-metal plated
Center Conductor:	Brass, Silver plated
Dielectric:	PTFE
Gaskets/O-ring:	Silicone Rubber

Cable Specifications (TFT-401-LF)

Center Conductor:	Bare copper (0.064")
Dielectric:	Taped PTFE (0.208")
Shield:	Tin plated flat braid (0.218")
Outer Braid:	Tin plated copper (0.240")
Jacket:	Blue FEP (0.265")
Static Bend Radius:	0.75"

MCCJ Series - To Order

Part Number	Length	Application
MCCJ-ME-ME-19	19 in [483 mm]	Vertical mounting
MCCJ-ME-ME-15	15 in [381 mm]	Horizontal mounting

Connectors: 4.3-10 (m) to 4.3-10 (m). For a different length, replace the two-digit value with the desired length in inches

Contact sales for custom assemblies.

Cable Attenuation

Frequency	Loss/m (dB)	19" (dB)	15" (dB)	W
450 MHz	0.18	0.09	0.07	1266
600 MHz	0.21	0.10	0.08	1071
900 MHz	0.27	0.13	0.10	845
1900 MHz	0.43	0.21	0.16	535
2100 MHz	0.46	0.22	0.17	502
2500 MHz	0.51	0.25	0.20	450
3500 MHz	0.64	0.31	0.24	363
4200 MHz	0.72	0.35	0.28	323
4900 MHz	0.80	0.39	0.31	291
5800 MHz	0.90	0.44	0.34	260

Typical cable loss at +25°C, excluding connectors.

Note: Specifications are subject to change without prior notification.

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