

- ◆ Ultra-wideband for C-band & NR-U applications
- ◆ Guaranteed Low PIM
- ◆ 100W Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ 4.3-10, 7-16 DIN, or N-type connector combinations
- ◆ Plenum rated class CMP
- ◆ RoHS compliant



Microlab JA series coaxial cable assemblies are built for reliability and guaranteed low PIM performance. Designed for use in all systems where low loss and mechanical flexibility are crucial. Low PIM cable and tri-metal plated connectors ensure good intermodulation performance. All cables are fully interchangeable with connectors made to the MIL-C-39012 specification. [See replacement JA Express line.](#)

JA series (Straight to Straight) Model Numbers

JA-xxMX	4.3-10(m)	to 4.3-10(m)
JA-xxMY	4.3-10(m)	to 7-16(m)
JA-xxMZ	4.3-10(m)	to N-type(m)
JA-xxTX	4.3-10(m)	to 4.3-10(f)
JA-xxTZ	4.3-10(m)	to N-type(f)
JA-xxFZ	4.3-10(f)	to N-type(m)
JA-xxTY	4.3-10(f)	to 7-16(m)
JA-xxMA	N-type(m)	to 7-16(m)
JA-xxMN	N-type(m)	to N-type(m)
JA-xxTA	N-type(m)	to 7-16(f)
JA-xxTN	N-type(m)	to N-type(f)
JA-xxFA	N-type(f)	to 7-16(m)
JA-xxFN	N-type(f)	to N-type(f)
JA-xxND	N-type(f)	to 7-16(f)
JA-xxMD	7-16(m)	to 7-16(m)
JA-xxTD	7-16(m)	to 7-16(f)
JA-xxFD	7-16(f)	to 7-16(f)

xx specifies the cable length in decimeters (<30 dm)
E.g.: JA-10MX: 10 decimeters (1 meter) 4.3-10 (m-m) cable

Frequency:	DC to 6 GHz
Impedance:	50Ω nominal
Shielding:	90 dB min.
RoHS:	Compliant
PIM:	<-161 dBc typ., <-158dBc min. (Test with 2x tones @+43dBm)
VSWR	<1.15:1 (DC -3 GHz) <1.25:1 (3 - 6 GHz)
Power:	100 W avg, 3kW pk.
Velocity of Propagation:	70.8%
Environment:	-40°C to +125°C

Frequency	Loss/m(dB)
380 MHz	<0.3
960 MHz	<0.5
1700 MHz	<0.6
2700 MHz	<0.8
3450 MHz	<0.9
6000 MHz	<1.0

Connector Specifications

Body/Nut:	Brass, Tri-metal plated
Center Conductor:	Brass, Silver plated
Dielectrics:	PTFE
Gaskets/O-ring:	Silicon Rubbe

Cable Specifications

Inner Conductor:	Silver plated copper (0.037")
Dielectric:	PTFE (0.118")
Outer Conductor:	Tinned Soaked Copper Braid (0.141")
Jacket:	Extruded FEP, CMP (0.163")
Static Bend Radius:	0.4"

Note: Specifications are subject to change without prior notification.

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