

- ◆ Ultra-wideband for CBRS & LTE-LAA applications
- ◆ Guaranteed Low PIM
- ◆ 300W Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ Rugged & High Reliability
- ◆ Plenum rated
- ◆ RoHS compliant



Microlab JA NEX10 series coaxial jumper cables assemblies are built for reliability and guaranteed low PIM performance. These cables are designed for use in D-RAN and Small Cell deployments where low loss and cable flexibility are important. The connectors can be removed for ease of install in core drill applications and narrow conduits.

Frequency:	DC to 6 GHz
Impedance:	50Ω nominal
Shielding:	100 dB min.
RoHS:	Compliant
PIM:	-160 dBc (-117 dBm) min. (Test with 2x 1900MHz@+43dBm)
Power:	300 W avg for 3.8GHz 200 W avg for 6GHz, 3 kW pk
Environment:	-40°C to +105°C, IP67 Mated.

JA NEX10 (Straight to Straight) Model Numbers

JA-10-MT-MT	NEX10(m) to NEX10(m)
JA-20-MT-MT	NEX10(m) to NEX10(m)
JA-10-MT-ME	NEX10(m) to 4.3-10(m)
JA-20-MT-ME	NEX10(m) to 4.3-10(m)

The number specifies the cable length in dm., Eg: JA-10-MT-MT: 10 decimeters (1 meter) NEX10(m-m) cable

Frequency	Loss/m(dB)	VSWR(1m)	VSWR(2m)
470 MHz	<0.3	1.06:1	1.07:1
960 MHz	<0.4	1.07:1	1.08:1
2.2 GHz	<0.6	1.08:1	1.10:1
2.7 GHz	<0.7	1.10:1	1.11:1
3.8 GHz	<0.8	1.14:1	1.16:1
6 GHz	<1.12	1.22:1	1.25:1

Connector Specifications

Material:	Brass
Contacts:	Brass, Cu-Be
Dielectrics:	PTFE
Gaskets:	Silicon
Center Contact	Silver
Coupling Proof Torque:	5-8 Nm for 4.3-10 3 Nm for NEX10

Cable Specifications

Diameter:	Jacketed .141" Rigid Type
Conductor :	Silver Plated Brass
Dielectric::	Microporous PTFE
Braid:	Ag Plated Flat Copper
Outer Braid:	Ag Plated Copper Wire
Jacket (ø.165)*:	Extruded FEP, UL 444 CMP
Major Diameter*:	ø.165" max
Bend Radius*:	0.315"/1.378"

Note: Specifications are subject to change without prior notification.

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