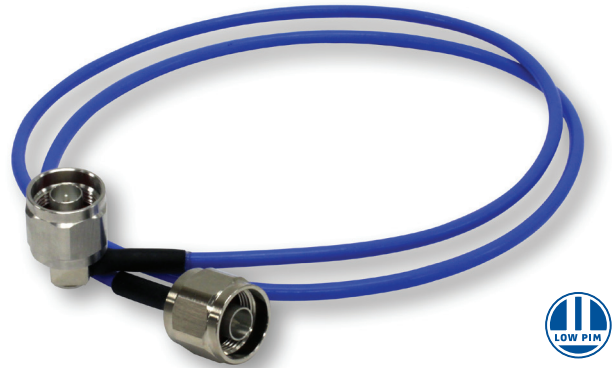


- ◆ Low PIM <-153 dBc
- ◆ High Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ Excellent VSWR
- ◆ Rugged, High Reliability
- ◆ Plenum rated Class CMP
- ◆ RoHS compliant



Electrical Specifications

Frequency:	DC to 6,000 MHz
Shielding:	>90 dB
VSWR:	<1.22:1
DWV:	750 VAC max.
Impedance:	50Ω nominal
RoHS:	Compliant
PIM (Intermod):	<-153 dBc; <-158 typ. (+43dBm x2, at 1800 MHz)
Power Rating:	100 W avg., 3 kW pk.

Microlab Model JB series, Coaxial Jumper Cables are built for reliability and consistent extremely low PIM performance. Designed for use in all systems where low PIM and very good R.F. and mechanical performance is critical. Using controlled manufacture, low PIM cable and trimetal plating the connectors ensures good intermodulation performance.

All cables are fully interchangeable with connectors made to the MIL-C-39012 specification.

JB series (Straight to Right Angle)

Model Numbers

JB-xxMN	N(m)	to	Right Angle N(m)
JB-xxMZ	4.3-10(m)	to	Right Angle N(m)

xx specifies length of cable in centimeters
Example JB-10MN: 10 centimeter (1 meter) cable

Loss Specifications for 1 meter (~39") cable

<u>Frequency</u>	<u>Loss</u>
380 MHz	<0.3 dB
960 MHz	<0.5 dB
1700 MHz	<0.6 dB
2700 MHz	<0.8 dB
6000 MHz	<1.0 dB.

Connector Specifications

Finish:	Alb alloy plated brass body
Contacts:	Ag/Cu plated BeCu
Dielectrics:	PTFE
Gaskets:	Si Rubber
Interface:	per MIL-STD-348
Coupling Proof Torque:	15 in*lbs
Coupling Retention:	60 lbs axial
Bend Radius:	0.5 max.

Cable Specifications

Diameter:	Jacketed .141 Rigid Type
Conductor (ø.037"):	Silver Plated Copper
Dielectric (ø.113):	Microporous PTFE
Braid (ø.121):	Ag Plated Flat Copper
Outer Braid (ø.138):	Ag Plated Copper Wire
Jacket (ø.160):	Extruded FEP
Major Diameter:	ø.165 max
Static Bend Radius:	0.75R
Temperature:	-40°C to +125°C

Note: Specifications are subject to change without prior notification.

280ct2015