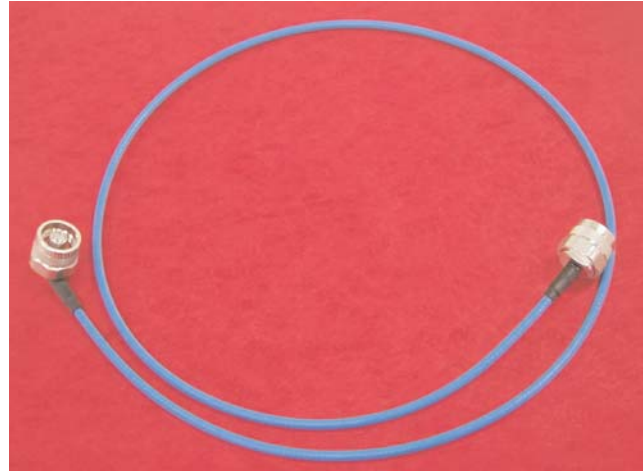


### Advanced Specification

- ◆ Low PIM Accessory Jumper Cable
- ◆ High Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ Excellent VSWR
- ◆ Rugged, High Reliability
- ◆ RoHS compliant
- ◆ Common Needs Stocked, other choices to order



Microlab Model JP, JR and JS series, Coaxial Jumper Cables are built for reliability, reliable consistent performance and low price. 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. Different connector varieties will be introduced as stocked products as demand requires. (05/12)

Cable (diameter):	Jacketed .141 Rigid Type
Conductor (.036):	Silver plated copper
Dielectric (.118)	Solid PTFE
Inner Braid (.128):	Spiral Strip (Ag plate-Cu)
Outer Braid (.141):	Round wire (Ag plate)
Jacket (.160):	Extruded FEP
Bending Radius, min:	0.250", one time 0.500", preferred
Shielding:	>90 dB
Frequency:	DC to 3,000 MHz
VSWR:	<1.22:1 to 2,400 MHz
Impedance:	50Ω nominal
PIM (Intermod):	<-145 dBc; <-150 typ. (+43dBm x2, at 1800 MHz)
Power Rating:	100 W avg., 3 kW pk.
Temperature:	-40°C to +125°C
RoHS:	Compliant
Connector Finish:	Triplate
Special Order Options:	
Fire Resistance:	Fire retardant, or Plenum Rated Cable

#### JP/JR/JS series Model Numbers

<b>JP series</b>	Straight to Straight connector
<b>JR series</b>	Straight to Right Angle N connector
<b>JS series</b>	Right Angle N to Right Angle N connector
<b>Number</b>	Length in 10 cm (~4 inch) increments
<b>1st Final Letter</b>	M=(m-m); F=(f-f); T=(m-f)
<b>2nd Final Letter</b>	N=N type; D=7-16; A=both N & 7-16

<u>Stocked Cables</u>	<u>Plug A</u>	<u>Plug B</u>	<u>0.5m (20")</u>	<u>1m (39")</u>
N (m-m)	straight	straight	<b>JP-05MN</b>	<b>JP-10MN</b>
N (m-mr)	straight	rt angle	<b>JR-05MN</b>	<b>JR-10MN</b>
7-16 (m)-N (m)	straight	straight	<b>JP-05MA</b>	<b>JP-10MA</b>

available also in 2m, 3m and 6m lengths from stock  
e.g. **JP-20MN** is 2m N(m-m) straight cable

#### Cables to Short Order

As defined above with different lengths in 10 cm (~4 inch) increments, and the following:

N (f-f)	straight	straight	<b>JP-05FN</b>	<b>JP-10FN</b>
N (m-f)	straight	straight	<b>JP-05TN</b>	<b>JP-10TN</b>
N (mr-mr)	rt angle	rt angle	<b>JS-05MN</b>	<b>JS-10MN</b>
7-16 (m-m)	straight	straight	<b>JP-05MD</b>	<b>JP-10MD</b>
7-16 (m)-N (mr)	straight	rt angle	<b>JR-05MA</b>	<b>JR-10MA</b>
7-16 (m)-N (f)	straight	straight	<b>JP-05TA</b>	<b>JP-10TA</b>

<u>Loss Specifications</u>	<u>0.5m (20")</u>	<u>1m (39")</u>
Loss at 380 MHz	<0.2 dB	<0.3 dB
Loss at 960 MHzB	<0.3 dB	<0.5 dB
Loss at 1700 MHz	<0.4 dB	<0.7 dB
Loss at 2700 MHz	<0.6 dB	<1.0 dB
Weight oz (g) nom.	3.1 (85)	4.3 (120)