

Coaxial 0.141" Red Plenum Cables, DC - 6 GHz Rev. A

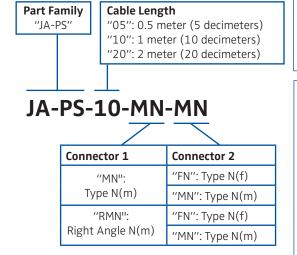
- Red Jacket for Public Safety Applications
- Guaranteed Low PIM
- ◆ 100W Average Power Rating
- Minimal RF Insertion Loss
- Rugged & High Reliability
- Plenum rated, CMP UL Listing
- RoHS compliant



Microlab JA-PS Series coaxial cable assemblies are developed for reliability and guaranteed low PIM performance. These cables are designed with a red plenum jacket to help visually aid AHJs and building owners to identify public safety DAS networks. JA-PS cables are ideal interconnections between radios, antennas, and RF passive components

## JA-PS Series – Part Number Generator

See complete "To Order" table on page 2



Frequency: DC to 6 GHz Impedance:  $50\Omega$  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	<1.3	

## **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.



Coaxial 0.141" Red Plenum Cables, DC - 6 GHz page 2

## JA-PS Series - To Order

Part Number	Length (meter)	Connector 1	Connector 2
JA-PS-10-MN-MN	1	Type N(m)	Type N(m)
JA-PS-10-MN-FN	1	Type N(m)	Type N(f)
JA-PS-20-MN-MN	2	Type N(m)	Type N(m)
JA-PS-20-MN-FN	2	Type N(m)	Type N(f)
JA-PS-05-MN-MN	0.5	Type N(m)	Type N(m)
JA-PS-05-MN-FN	0.5	Type N(m)	Type N(f)
JA-PS-05-RMN-MN	0.5	Right Angle Type N(m)	Type N(m)
*JA-PS-05-RMN-FN	0.5	Right Angle Type N(m)	Type N(f)

<sup>\*</sup>in development

If you need additional cable assemblies, our sales team is available to help. Microlab, a division of RF Industries, specializes in creating custom cable assemblies and connectors that are tailored to your specifications, such as type of cable, connectors, and length, with quick turnaround times.