

- ◆ 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

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

JA-PS Series – Part Number Generator

See complete "To Order" table on page 2

Part Family "JA-PS"	Cable Length "05": 0.5 meter (5 decimeters) "10": 1 meter (10 decimeters) "20": 2 meter (20 decimeters)
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JA-PS-10-MN-MN

Connector 1	Connector 2
"MN": Type N(m)	"FN": Type N(f) "MN": Type N(m)
"RMN": Right Angle N(m)	"FN": Type N(f) "MN": Type N(m)

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.

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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)

*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.