2.2-5 Cable Assemblies, JA series

Coaxial 0.141" Straight Connector Cables, DC - 6 GHz
2.2-5 & 4.3-10
Rev. A

- Ultra-wideband for C-band & NR-U applications
- Guaranteed Low PIM
- 100W Average Power Rating
- Minimal RF Insertion Loss
- Rugged & High Reliability
- Plenum rated
- RoHS compliant

Microlab JA 2.2-5 series coaxial cable assemblies are developed for reliability and guaranteed low PIM performance. These cables are designed for D-RAN and Small Cell deployments, where low loss and cable flexibility are crucial. JA 2.2-5 conversion cables are ideal for interconnections between radios, antennas, and RF passive components.

Frequency:	DC to 6 GHz
Impedance:	50Ω nominal
Shielding:	90 dB min.
RoHS:	Compliant
PIM:	-160 dBc (-117 dBm) min. (Test with 2x tones @+43dBm)
Power:	100 W avg, 3kW pk.
Environment:	-40°C to +85°C, IP67 Mated.

JA 2.2-5 (Straight to Straight) Model Numbers

JA-10-MG-ME	2.2-5 (m)	to	4.3-10 (m)
JA-20-MG-ME	2.2-5 (m)	to	4.3-10 (m)

The number specifies the cable length in dm., Eg: JA-10-MG-ME: 10 decimeters (1 meter) 2.2-5(m)-4.3-10(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	<0.65	1.08:1	1.10:1
2.7 GHz	<0.7	1.10:1	1.11:1
3.8 GHz	<0.9	1.17:1	1.18:1
6 GHz	<1.12	1.22:1	1.25:1

Connector Specifications

Material:	Brass
Contacts:	Phosphor Bronze
Dielectrics:	PTFE
Gaskets:	Silicon Rubber
Center Contact	Beryllium Copper, Silver Plated
Coupling Proof Torque:	5-8 Nm for 4.3-10 3 Nm for 2.2-5

Cable Specifications

Diameter:	Jacketed .141"
Conductor :	Silver Plated Brass
Dielectric::	Microporous PTFE
Braid:	Silver Plated Flat Copper
Outer Braid:	Silver Plated Copper Wire
Jacket (ø.165)*:	Extruded FEP, UL 444 CMP
Major Diameter*:	ø.165" max
Bend Radius*:	0.75" R

Note: Specifications are subject to change without prior notification.

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