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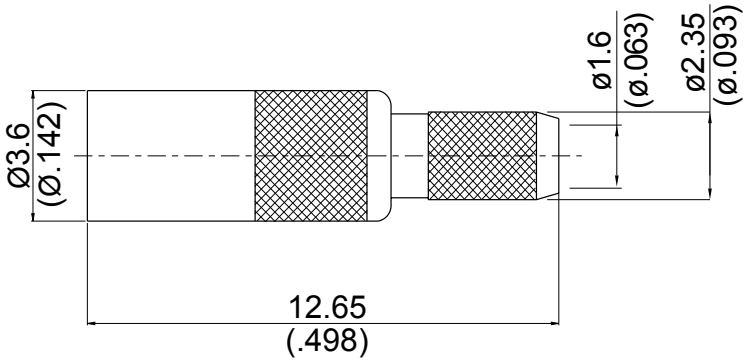
MMCX8100-0316	**MMCX Jack Crimp For RG174,RG188,RG316; 2.5GHz VSWR 1.2**	**50Ω**



Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Phosphor Bronze	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 0.83 g
Suitable Cables: RG174,RG188,RG316

This part number complies with RoHS.
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

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MMCX	MMCX8100-0316

Interface

IEC 61169-52

Electrical Data

Impedance	50Ω
Frequency range	DC to 2.5GHz
VSWR	≦1.2 (DC to 2.5GHz)
Insertion loss	≦0.05 x $\sqrt{f(GHz)}$ dB
Insulation resistance	≧10000MΩ
Contact resistance inner conductor	≦5mΩ
Contact resistance cuter conductor	≦2.5mΩ
Dielectric withstanding voltage (at sea level)	500 V rms
Working Voltage (at sea level)	170 V rms

Mechanical Data

Engagement force	≦3.4 lbs
Disengagement force	1.4 to 3.4 lbs
Contact captivation-axial	≧2.3 lbs
Durability (mating)	≧500

Environmental Data

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition F
Moisture resistance	MIL-STD-202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B
RoHS	Compliant

Tooling

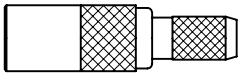
Crimping tool	CRT-1 or CRT-2
Crimp insert	INSERT-A

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

MMCX8100-0316	DATE	2015/09/21	REV	—

A

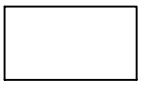


BODY

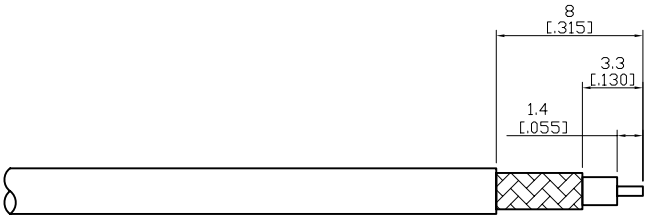
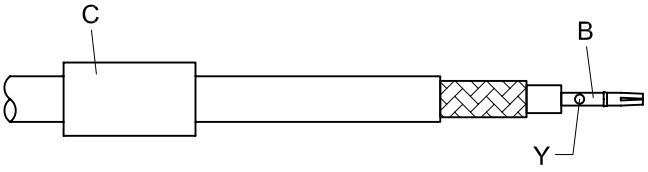
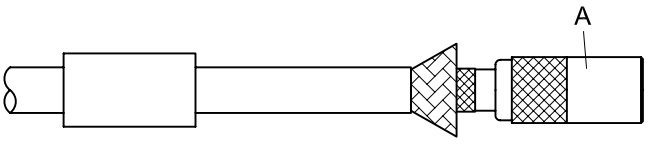
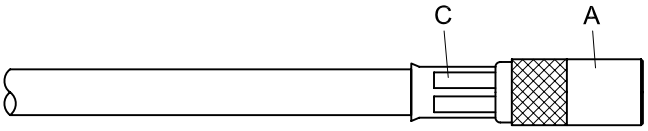
B

CONTACT PIN

C



FERRULE

DIAGRAM	ASSEMBLY INSTRUCTION
	Step 1: STRIP AS SHOWN.
	Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 0.54mm/0.021inch SECTION OF INSERT-A IF CRIMPED)
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.
	Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

APPROVED	CHECKED	DRAWING
		Albert

MMCX8100-0316

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