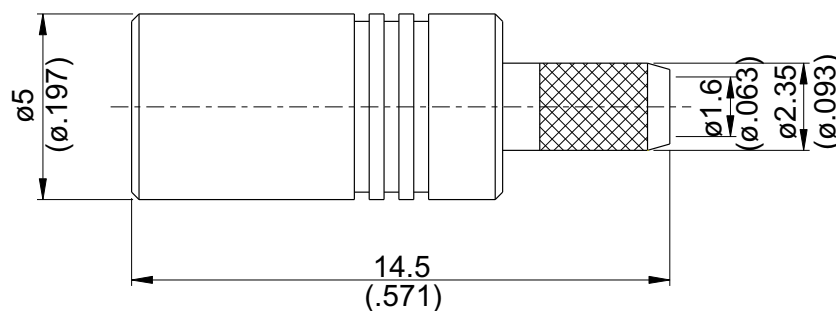


MCX8100-0316

MCX Jack Crimp For RG174,RG188,RG316;
3GHz VSWR 1.2 & 6GHz VSWR 1.3

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
Insulator	Teflon	
Body	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 1.44 g

Suitable Cables: RG174, RG188, RG316,RG316-FEP

This part number complies with RoHS.

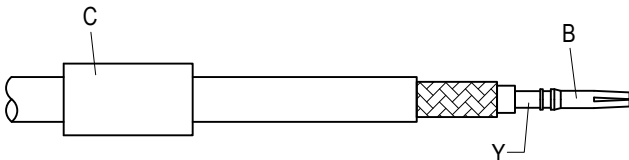
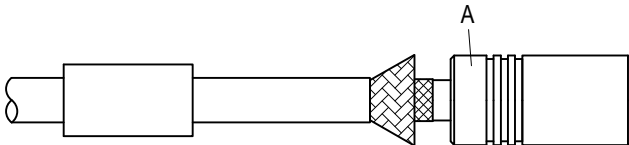
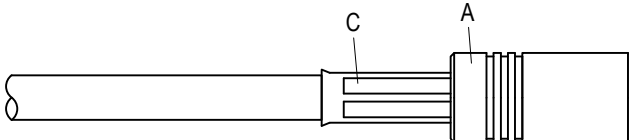
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

MCX	MCX8100-0316																		
Interface IEC 61169-36																			
Electrical Data <table> <tr> <td>Impedance</td><td>50Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 6GHz</td></tr> <tr> <td>VSWR</td><td>≤ 1.2 (3GHz) ; ≤ 1.3 (6GHz)</td></tr> <tr> <td>Insertion loss</td><td>≤ 0.1dB to 1GHz; ≤ 0.15 to 3GHz</td></tr> <tr> <td>Insulation resistance</td><td>≥ 10000MΩ</td></tr> <tr> <td>Contact resistance inner conductor</td><td>≤ 5mΩ</td></tr> <tr> <td>Contact resistance outer conductor</td><td>≤ 2.5mΩ</td></tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td><td>750 V rms</td></tr> <tr> <td>Working voltage (at sea level)</td><td>250 V rms</td></tr> </table>		Impedance	50Ω	Frequency range	DC to 6GHz	VSWR	≤ 1.2 (3GHz) ; ≤ 1.3 (6GHz)	Insertion loss	≤ 0.1dB to 1GHz; ≤ 0.15 to 3GHz	Insulation resistance	≥ 10000MΩ	Contact resistance inner conductor	≤ 5mΩ	Contact resistance outer conductor	≤ 2.5mΩ	Dielectric withstanding voltage (at sea level)	750 V rms	Working voltage (at sea level)	250 V rms
Impedance	50Ω																		
Frequency range	DC to 6GHz																		
VSWR	≤ 1.2 (3GHz) ; ≤ 1.3 (6GHz)																		
Insertion loss	≤ 0.1dB to 1GHz; ≤ 0.15 to 3GHz																		
Insulation resistance	≥ 10000MΩ																		
Contact resistance inner conductor	≤ 5mΩ																		
Contact resistance outer conductor	≤ 2.5mΩ																		
Dielectric withstanding voltage (at sea level)	750 V rms																		
Working voltage (at sea level)	250 V rms																		
Mechanical Data <table> <tr> <td>Engagement force</td><td>≤ 5.6 lbs</td></tr> <tr> <td>Disengagement force</td><td>1.8 to 4.5 lbs</td></tr> <tr> <td>Contact captivation-axial</td><td>≥ 2.3 lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥ 500</td></tr> </table>		Engagement force	≤ 5.6 lbs	Disengagement force	1.8 to 4.5 lbs	Contact captivation-axial	≥ 2.3 lbs	Durability (mating)	≥ 500										
Engagement force	≤ 5.6 lbs																		
Disengagement force	1.8 to 4.5 lbs																		
Contact captivation-axial	≥ 2.3 lbs																		
Durability (mating)	≥ 500																		
Environmental Data <table> <tr> <td>Temperature range</td><td>-55°C to +155°C</td></tr> <tr> <td>Thermal shock</td><td>MIL-STD-202, Method 107, Condition B</td></tr> <tr> <td>Moisture resistance</td><td>MIL-STD-202, Method 106</td></tr> <tr> <td>Corrosion</td><td>MIL-STD-202, Method 101, Condition B</td></tr> <tr> <td>RoHS</td><td>Compliant</td></tr> </table>		Temperature range	-55°C to +155°C	Thermal shock	MIL-STD-202, Method 107, Condition B	Moisture resistance	MIL-STD-202, Method 106	Corrosion	MIL-STD-202, Method 101, Condition B	RoHS	Compliant								
Temperature range	-55°C to +155°C																		
Thermal shock	MIL-STD-202, Method 107, Condition B																		
Moisture resistance	MIL-STD-202, Method 106																		
Corrosion	MIL-STD-202, Method 101, Condition B																		
RoHS	Compliant																		
Tooling <table> <tr> <td>Crimping tool</td><td>CRT-1 or CRT-2</td></tr> <tr> <td>Crimp insert</td><td>INSERT-A</td></tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-A														
Crimping tool	CRT-1 or CRT-2																		
Crimp insert	INSERT-A																		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

MCX8100-0316		DATE	2017/03/27	REV	—
A		B		C	
					
BODY		CONTACT PIN		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 CRIMP IN " Y ". (USE SQUARE 0.7mm/0.028inch SECTION OF INSERT-A)		
			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	

MCX8100-0316

S11

