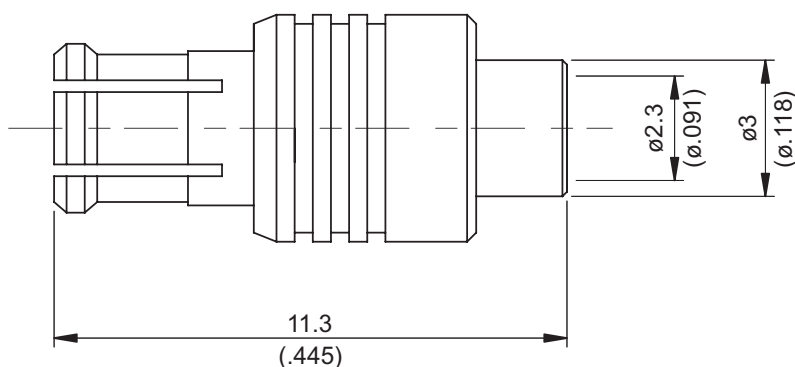


MCX3100-0178

MCX Plug Crimp For RG178,RG178-FEP
3GHz VSWR 1.2

50Ω



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

Weight: 0.82 g

Suitable Cables: RG178, RG196, RG178-FEP

This part number complies with RoHS.

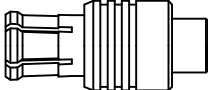
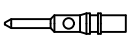
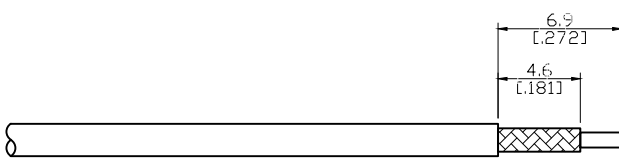
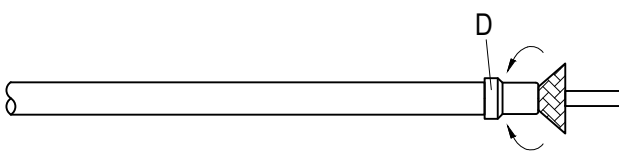
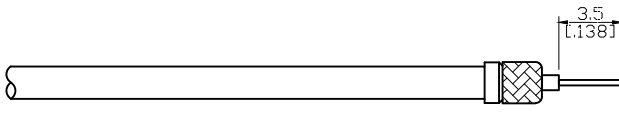
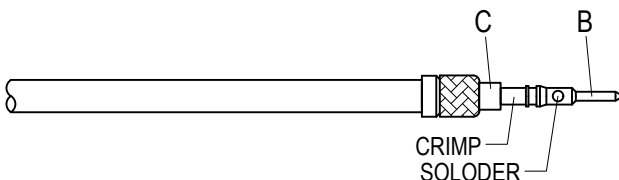
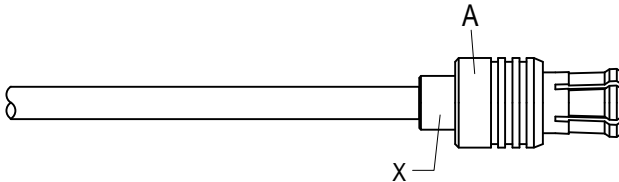
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

MCX	MCX3100-0178
Interface IEC 61169-36	
Electrical Data Impedance 50Ω Frequency range DC to 3GHz VSWR ≤ 1.2 (DC to 3GHz) Insertion loss ≤ 0.1 dB to 1GHz; ≤ 0.15 to 3GHz Insulation resistance ≥ 10000 mΩ Contact resistance inner conductor ≤ 5 mΩ Contact resistance outer conductor ≤ 2.5 mΩ Dielectric withstanding voltage (at sea level) 750 V rms Working voltage (at sea level) 250 V rms	
Mechanical Data Engagement force ≤ 5.6 lbs Disengagement force 1.8 to 4.5 lbs Contact captivation-axial ≥ 2.3 lbs Durability (mating) ≥ 500	
Environmental Data Temperature range -55°C to +155°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	

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

MCX3100-0178		DATE	2017/03/27	REV	—
A		B		C	D
					
BODY		CONTACT PIN		INSULATOR	FERRULE
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " D " OVER CABLE. Step 3: WRAP THE BRAIDING OVER " D ".		
			Step 4: STRIP AS SHOWN.		
			Step 5: SLIDE PREPARED CABLE INTO INSULATOR " C ". Step 6: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP. (USE SQUARE 0.70mm/0.028inch SECTION OF INSERT-A IF CRIMPED)		
			Step 7: PUT PREPARED CABLE INTO CONNECTOR BODY " A " AND CRIMP IN " X ". (USE 2.55mm/0.100inch 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	

MCX3100-0178

S11

