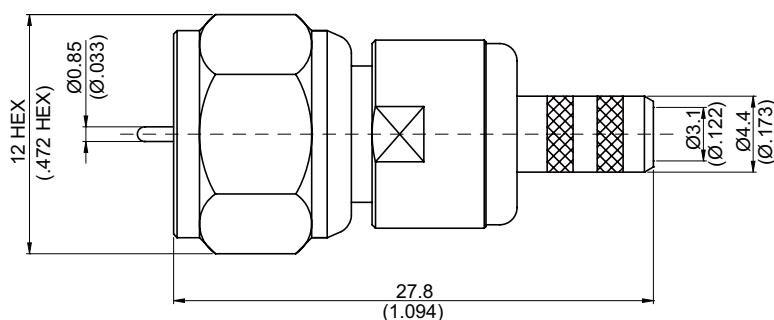


F3100A-0223

**F Plug Crimp For RG223;
(Impedance mismatch)**

75Ω



NOTE: F connectors are 75 ohm . Using a 75 ohm connector on a 50 ohm cable will result in an impedance mismatch and poor rf performance.

Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicon	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Barrel	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables:RG223

This part number complies with RoHS.

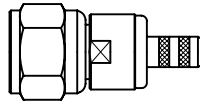
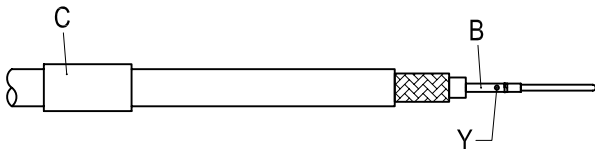
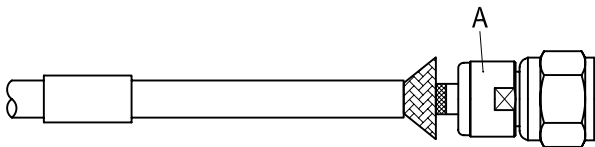
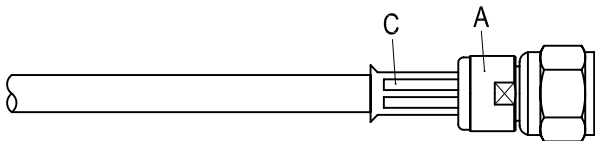
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

F	F3100A-0223																		
Interface IEC 61169-24																			
Electrical Data <table> <tr> <td>Impedance</td><td>75Ω</td></tr> <tr> <td>Frequency range</td><td>DC to 3GHz</td></tr> <tr> <td>VSWR</td><td>Poor (Impedance mismatch)</td></tr> <tr> <td>Insertion loss</td><td>≤0.1dB at 1GHz; ≤0.2dB at 2GHz; ≤0.3dB at 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>1500 V rms</td></tr> <tr> <td>Working Voltage (at sea level)</td><td>500 V rms</td></tr> </table>		Impedance	75Ω	Frequency range	DC to 3GHz	VSWR	Poor (Impedance mismatch)	Insertion loss	≤0.1dB at 1GHz; ≤0.2dB at 2GHz; ≤0.3dB at 3GHz	Insulation resistance	≥ 10000MΩ	Contact resistance inner conductor	≤5mΩ	Contact resistance outer conductor	≤2.5mΩ	Dielectric withstanding voltage (at sea level)	1500 V rms	Working Voltage (at sea level)	500 V rms
Impedance	75Ω																		
Frequency range	DC to 3GHz																		
VSWR	Poor (Impedance mismatch)																		
Insertion loss	≤0.1dB at 1GHz; ≤0.2dB at 2GHz; ≤0.3dB at 3GHz																		
Insulation resistance	≥ 10000MΩ																		
Contact resistance inner conductor	≤5mΩ																		
Contact resistance outer conductor	≤2.5mΩ																		
Dielectric withstanding voltage (at sea level)	1500 V rms																		
Working Voltage (at sea level)	500 V rms																		
Mechanical Data <table> <tr> <td>Recommended coupling nut torque</td><td>15 to 20 inch lbs</td></tr> <tr> <td>Coupling proof torque</td><td>60 inch lbs</td></tr> <tr> <td>Durability (mating)</td><td>≥500</td></tr> </table>		Recommended coupling nut torque	15 to 20 inch lbs	Coupling proof torque	60 inch lbs	Durability (mating)	≥500												
Recommended coupling nut torque	15 to 20 inch lbs																		
Coupling proof torque	60 inch lbs																		
Durability (mating)	≥500																		
Environmental Data <table> <tr> <td>Temperature range</td><td>-65°C to +165°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	-65°C to +165°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	-65°C to +165°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-B</td></tr> </table>		Crimping tool	CRT-1 or CRT-2	Crimp insert	INSERT-B														
Crimping tool	CRT-1 or CRT-2																		
Crimp insert	INSERT-B																		

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

JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

F3100A-0223		DATE	2017/07/06	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 SOLDER IN " Y ".		
			Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.9mm/0.232inch HEX SECTION OF INSERT-B)		
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

F3100A-0223

