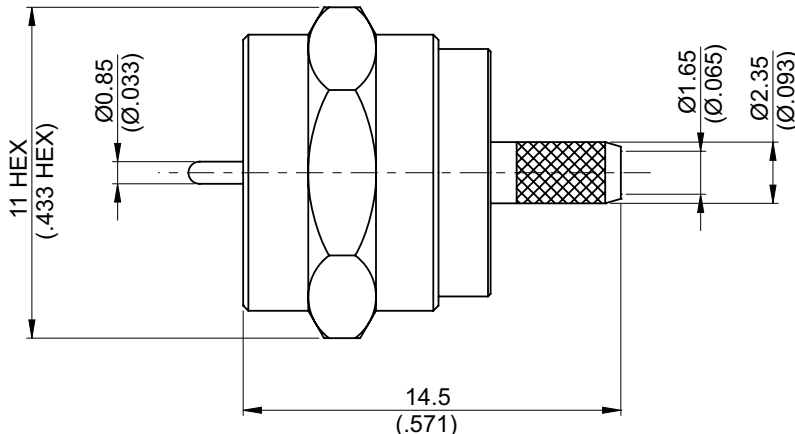


F3100D-0316	F Plug Crimp For RD316,RD316-FEP (Impedance Mismatch)	75Ω
		
NOTE: F connectors are 75 ohm . Using a 75 ohm connector on a 50 ohm cable will result in an impedance mismatch and poor rf performance.		
Parts	Material	Plating (Micro-inch)
Ferrule	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	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: RD316,RD316-FEP		

This part number complies with RoHS.

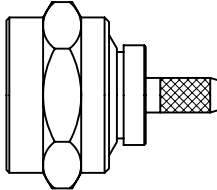
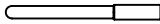
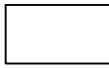
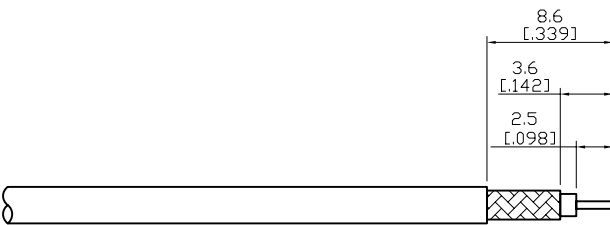
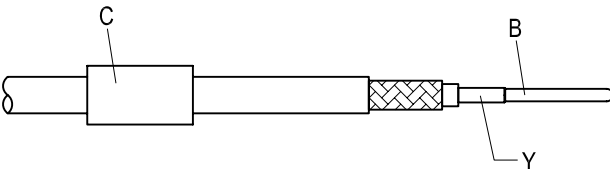
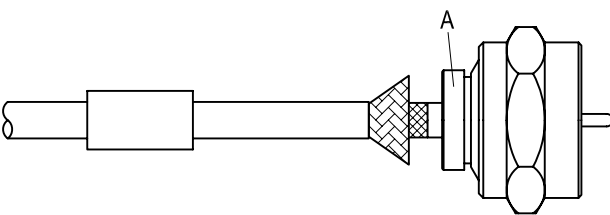
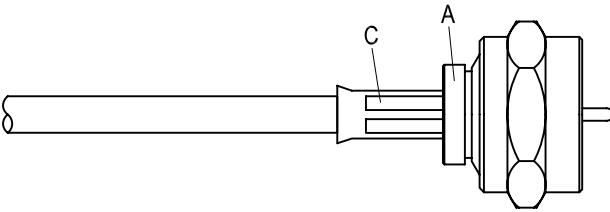
Notice: JYEBAO reserves the right to make modifications deemed appropriate.

F	F3100D-0316
Interface IEC 61169-24	
Electrical Data Impedance 75Ω Frequency range DC to 4GHz VSWR Poor (Impedance Mismatch) Insertion loss $\leq 0.1\text{dB}$ at 1GHz; $\leq 0.2\text{dB}$ at 2GHz; $\leq 0.3\text{dB}$ at 3GHz Insulation resistance $\geq 10000\text{M}\Omega$ Contact resistance inner conductor $\leq 5\text{m}\Omega$ Contact resistance outer conductor $\leq 2.5\text{m}\Omega$ Dielectric withstanding voltage (at sea level) 1500 V rms Working Voltage (at sea level) 500 V rms	
Mechanical Data Recommended coupling nut torque 15 to 20 inch lbs Coupling proof torque 60 inch lbs Durability (mating) ≥ 500	
Environmental Data 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 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

F3100D-0316		DATE	2016/01/20	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 CRIMP IN " Y ". (USE SQUARE 0.70mm/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	

F3100D-0316

S11

