

RJ11F

Rugged RJ11/RJ12 Connection System for Harsh Environment



RJ11Field allows you to use a standard phone RJ11 / RJ12 connection in harsh environments. With the patented RJStop® system you can use a standard RJ11 / RJ12 cordset in a metallic plug which will protect it from shocks, dust and fluids. **No hazardous on-field cabling!**

MAIN CHARACTERISTICS

- Bayonet coupling ("Audible & Visual" coupling signal)
- Robust metallic shells based on MIL-DTL-26482 H
- 4 mechanical user-defined coding / Polarization settings (insert rotation)
- RJ11 cordset retention in the plug: 100 N in the axis
- Mating cycles: 500 min

Applications

- Industrial applications
- Battlefield communication

Environmental Protection

- Sealing: IP68
- Salt Spray: 48 h with Nickel plating
> 96 h with black coating
> 500 h with Oliv Drab Cadmium
- Fire Retardant / Low Smoke: UL94 V0 and NF F 16 101 & 16 102
- Vibrations: 10 – 500 Hz, 10 g, 3 axes: no discontinuity > 10 nano s.
- Shocks: IK06: weight of 250 g drop from 40 cm [15.75 in] onto connectors (*mated pair*)
- Humidity: 21 days, 43°C, 98% humidity
- Thermal Shock: 5 cycles at - 40°C / +100°C
- Temperature Range: - 40°C / +85°C

Part Number Code

Series RJ11Field	RJ11F	2	2	B
Shell Type				
6:	Plug, Plastic Gland			
2:	Square Flange Receptacle			
7:	Jam Nut Receptacle			
Back Terminations (For Receptacles only)				
1:	Female RJ11			
2:	Solder (6 tinned holes)			
Shell Finishes				
B:	Black Coating - ROHS Compliant			
N:	Nickel - ROHS Compliant			
G:	Olive Drab Cadmium			

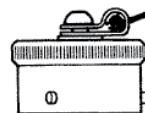
Examples: - Black Plug: RJ11F 6 B
- Black square flange receptacle, Female RJ11 Back termination: RJ11F 2 1 B
- Nickel Jam Nut Receptacle, solder termination: RJ11F 72 N

Accessories

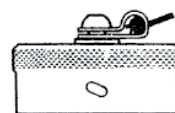
■ Metallic cap

	RJ11FC	2	B
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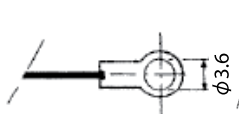
- Panel gasket for square flange « 2 » thickness: 0,6 mm P/N: JE 14



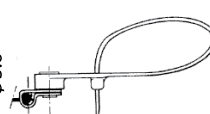
Plug cap



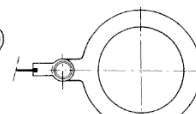
Receptacle cap



Square Flange type « 2 »



Plug Cap end type « 6 »



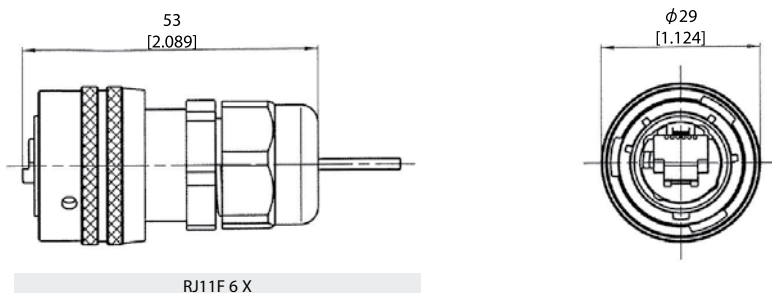
Jam nut receptacle type « 7 »

- Insert removal tool for receptacle and plug P/N = RJ11F ODE



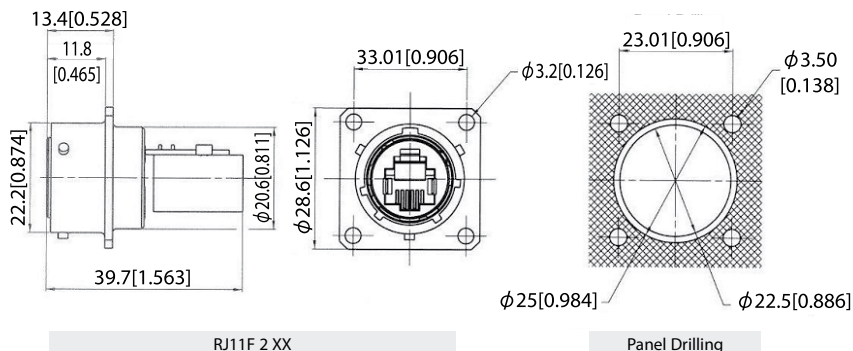
Plug

- Shell type 6 with Plastic Gland

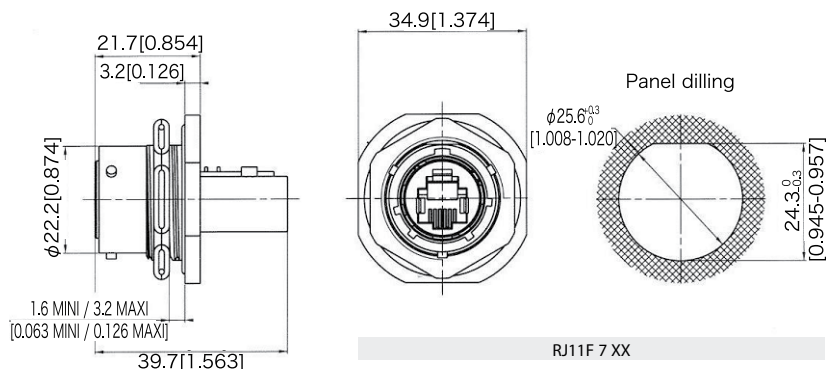


Receptacles

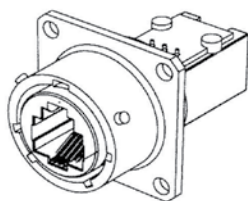
- Square flange receptacle
4 mounting holes: Shell type 2



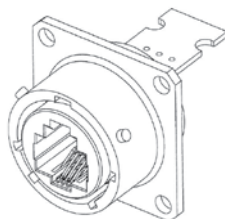
- Jam nut receptacle
Hexagonal Nut mounting: Shell type 7



Back Terminations

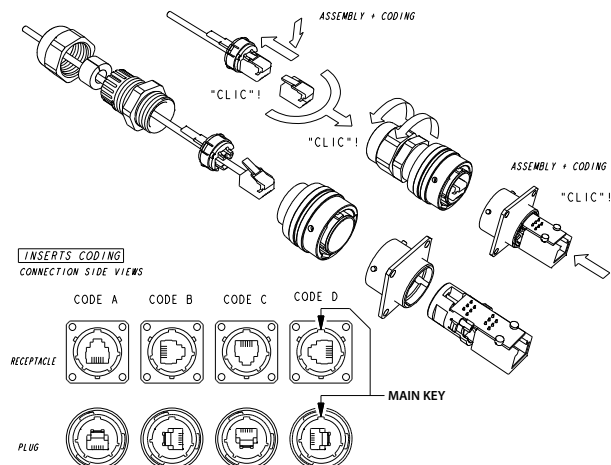


Type 1: Female RJ11 / RJ12



Type 2: Solder 6 Tinned through holes to solder your cable

Assembly instructions



Easy and Safe: No field cabling tools required

1. Pass the RJ11 / RJ12 plug « A » through the plastic gland « B »
2. Laterally slide the insert « C » on the cable
3. Fix the RJ11 / RJ12 plug « A » in the insert « C », pushing on the lever
4. Insert in the metallic housing « D »
5. Tighten the plastic gland « B »

Mouser Electronics

Authorized Distributor

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Amphenol:

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[RJ11F6N](#) [RJ11F21B](#) [RJ11F22B](#) [RJ11F22G](#) [RJ11F6B](#) [RJ11F6G](#) [RJ11F71B](#) [RJ11F71G](#) [RJ11F72B](#) [RJ11F72G](#)
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