

## RJ45 Field PRODUCT SHORTFORM

Amphenol Australia Pty Ltd

RJF allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

With the patented RJStop® system you can use a standard RJ45 cordset in a metallic plug which will protect it from shocks, dust and fluids.

**No hazardous on-field cabling and grounding!**

### MAIN CHARACTERISTICS:


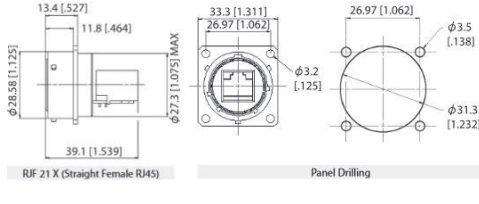

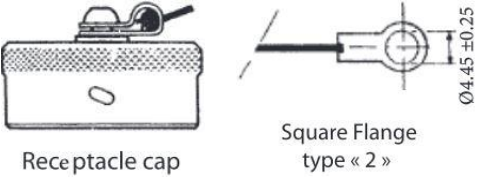

- Bayonet coupling
- Robust metallic shells based on MIL-DTL-26482 H
- RJ45 cordset retention in the plug: 100 N in the axis
- Mating cycles: 500 min
- Sealed against fluid and dust (IP68)
- Shock, Vibration and Traction resistant
- No cabling operation in field and no tools required
- Mechanical Coding / Polarization (4 positions)
- Compatible with cable diameter from 6 mm [0.236 in] to 13 mm [0.512 in]

For smaller diameters, please consult us.


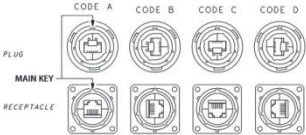


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### RJ45 Field

PRODUCT – FIGURE	DRAWING	DESCRIPTION	PART NUMBER
		PLUG, RJField with PG16 <b>plastic</b> gland, bayonet coupling, Black coating – ROHS compliant	RJF 6 B
		PLUG, RJField with PG16 <b>metal</b> gland, bayonet coupling, Black coating – ROHS compliant	RJF 6M B
		RECEPTACLE, RJField square flange, female RJ45 back termination, Black coating – ROHS compliant	RJF 2 1 B
		GASKET, RJField panel to suit RJF21B and RJF SCC	JE18
		CAP, RJField metallic to suit RJF21B receptacle, Black coating – ROHS compliant	RJFC 2 B
		CAP, RJField metallic to suit RJF6B / RJF6MB plug, Black coating – ROHS compliant	RJFC 6 B
		CAP, RJField plastic self closing to suit RJF21B receptacle	RJF SCC

# Amphenol Australia

	<p>4 codings possibilities (defined by the customer during the assembling).</p> 	<p><b>TOOL, RJField</b> insert removal tool</p>	<p><b>RJF ODE</b></p>
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## Part number code

	RJF	2	2	B	03 100BTX
<b>Shell type</b>					
6: plug, plastic gland					
6M: plug, metal gland					
2: square flange receptacle					
2PE: square flange receptacle, IP68 backshell, plastic gland					
2PEM: square flange receptacle, IP68 backshell, metal gland					
7: jam nut receptacle					
7PE: jam nut receptacle, IP68 backshell, plastic gland					
7PEM: jam nut receptacle, IP68 backshell, metal gland					
<i>Note: also available a transversally sealed receptacle (unmated) ▶ see page 22</i>					
<b>Back terminations (for receptacles only)</b>					
1: female RJ45					
1RA: right angle female RJ45					
2: RJ45 cordset					
<b>Shell finishes</b>					
B: black Coating - ROHS compliant					
N: nickel (note: with this version, the inserts are metallized) - ROHS compliant					
G: olive drab cadmium (note: with this version, the inserts are metallized)					
BZC: aluminium shell - black zinc cobalt plating					
ZC: aluminium shell - green zinc cobalt plating - ROHS compliant					
<b>Cordset length (for receptacles with "2" back termination only) - Other lengths are available on demand</b>					
03 100 BTX: 0.3m [11.81 inches]					
05 100 BTX: 0.5m [19.68 inches]					
10 100 BTX: 1m [39.37 inches]					
15 100 BTX: 1.5m [59.05 inches]					
					00: 8 tinned holes at the rear of the PCB to solder the cable
					OPEN: open cable - with no plug at the end
<b>Remark: Cabling configuration</b> → 100 BTX = 568B (Ethernet specification)					

- Examples:
- Nickel plug: RJF 6 N
  - Black square flange receptacle, female RJ45 back termination: RJF 2 1 B
  - Olive drab cadmium jam nut receptacle, 1.5m [59.05"] 100 BTX cordset termination: RJF 7 2 G 15 100BTX
  - Black in line square flange receptacle, 30cm [11.81"] 100BTX cordset termination: RJF 2PE 2 B 03 100BTX
  - Nickel jam nut receptacle, solder termination: RJF 72 N 00

## Accessories

### ■ Metallic cap

	RJFC	2	G
<b>Connector type</b>			
6: plug			
2: square Flange Receptacle			
7: jam Nut Receptacle			
<b>Shell material &amp; finish</b>			
B: black coating - ROHS compliant			
N: aluminium shell - nickel plating - ROHS compliant			
G: aluminium shell - olive drab cadmium plating			

## 4 codings possibilities

(defined by the customer during the assembling).

