



RoHS
COMPLIANT

- Sealing: IP68
- Salt spray: > 48 h with aluminium shell black nickel plating
- > 96 h with aluminium shell black coating
- > 500 h with aluminium shell olive drab cadmium plating
- Fire retardant/Low smoke: UL94 V0 and EN45545
- Vibrations: 10-500Hz, 10g, 3 axes: no discontinuity >10 nano s
- Shocks: IK06 → weight of 250 g drop from 40cm [15.75 in] onto connectors (mated pair)
- Humidity: 21 days, 43°C, 98% humidity
- Temperature range: -40°C / +85°C

Part number code: receptacle

Example: square flange receptacle, coding A, female RJ45 back termination, black coating plating: RJF6 2 A 1 B

Example: plug with metal gland, nickel plating: RJF 6M N

NOTA: also available a plug with 360° EMI backshell, and a plug for big insulation wire up to 1.6mm ► see pages 21 & 22.

RJF6

CAT6 transversally sealed receptacles

- In some applications, a transversal sealing for the receptacle is a « must ».
- This will prevent fluids and dust from going through the receptacle when plug or cap are not mated to the receptacle.
- The sealed solution (version "S") has a compound at the rear of the receptacle as shown on the picture.



Main features

Applications

- Outdoor equipment
- Airplanes equipment
- Tactical radios
- Shelters
- Rugged computers
- Data acquisition and transmission in harsh environments

Main characteristics

- Same as the RJF series
- A complete IP68 sealing of the receptacle (even with no plug or no protective cap mated) is added.
- Outside dimensions are the same as the standard RJF series

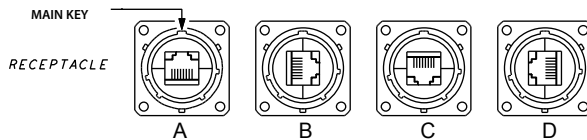
Data transmission

- 10 BaseT, 100 BaseTX and 1000 BaseT up to 250 MHz networks
- Cat 6 per EIA/TIA 568 and ClassE per ISO 11801

IMPORTANT NOTE

Due to the compound, the coding of the connector must be done in the factory

Use the codes A, B, C or D in the part number: see below.



How to order

Part number code: receptacles

	RJF6	2S	A	PE	1	B
Shell type						
2S: square flange receptacle						
7S: jam nut receptacle						
Coding						
A, B, C, or D						
Backshells						
PE: IP68 backshell, plastic gland						
PEM: IP68 backshell, metal gland						
Blank for receptacles without backshell						
Back termination						
1: female RJ45						
Shell finishes						
B: aluminium shell - black coating ✓						
N: aluminium shell - nickel ✓						
G: aluminium shell - olive drab cadmium						
ZN: aluminium shell - black zinc nickel ✓						
Nota: for N, G and ZN plating, the inserts are metallized						

Example: sealed square flange receptacle, coding A, female RJ45 back termination, black plating >RJF6 2S A 1 B

✓ : RoHS compliant