RJF EZ

Ethernet Connection System for Harsh Environment – Industrial Ethernet

RJFEZ 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 protective **composite** plug which will protect it from shocks, dust and fluids.
No hazardous on-field cabling and grounding!

Applications
- Telecom Equipment
- Video Control
- Robotics
- Industrial Process Control
- CNC Machines
- Special Machines
- Motion Control
- Tele-maintenance

Main characteristics
- Compliant with IEC 60603-7 variante 13
- Sealed against fluids and dust (IP68)
- Shock, Vibration and Traction resistant
- No cabling operation in field and no tools required
- **Quick lever coupling**
- RJ45 cordset retention in the plug: 70 N in the axis
- Mating cycles: 500 min
- Compatible with cable diameter from 5,5 mm [0.216 in] to 7 mm [0.275 in]

Environmental Protection
- Sealing: IP68
- Salt Spray > 1000 h
- Fire Retardant / Low Smoke: UL94 V0 and NFF 16102, DIN 5510-2
- Thermal Shock: 5 cycles at - 40°C / +100°C
- Operating Temperature: - 40°C / +85°C

Data Transmission
10 BaseT, 100 BaseTX and 1000 BaseT networks
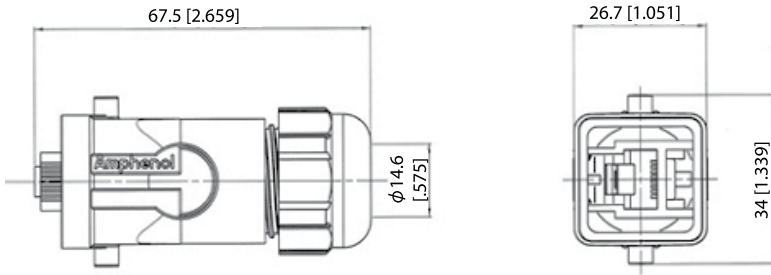Cat 5e per TIA/EIA 568B and ClassD per ISO/IEC 11801

Part Number Code

Series RJField EZ - Lever	RJF EZ	2	2	03 100BTX

Shell Type	
6:	Composite Lever Plug, Plastic Gland
2:	Composite Square Flange Receptacle

Back Terminations *(For Receptacles only)*	
1:	Female RJ45
2:	RJ45 Cordset

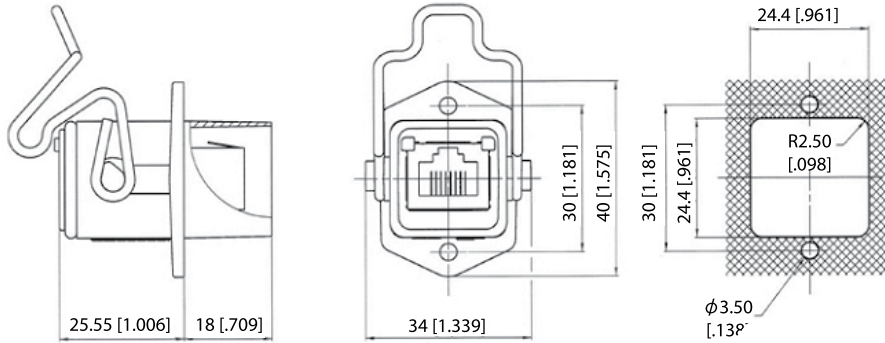| Cordset Length *(For Receptacles with "2" Back Termination only)*	
03 100BTX:	0.3m [11.81 inches]
05 100BTX:	0.5m [19.68 inches]
10 100BTX:	1m [39.37 inches]
15 100BTX:	1.5m [59.05 inches]

Remark: Cabling configuration: 100 BTX = 568B (Ethernet specification)

Examples:
- Plug: RJF EZ 6
- Receptacle, Female RJ45 Back termination: RJF EZ 21
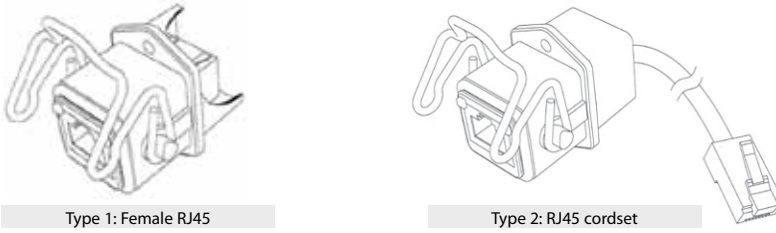- Receptacle, 1,5m [59.05"] 100 BTX cordset termination: RJF EZ 22 15 100BTX

Amphenol

Plug

67.5 [2.659]

26.7 [1.051]

φ14.6 [.575]

34 [1.339]

Receptacles

Panel Drilling

24.4 [.961]

R2.50 [.098]

30 [1.181]

40 [1.575]

30 [1.181]

24.4 [.961]

25.55 [1.006]   18 [.709]

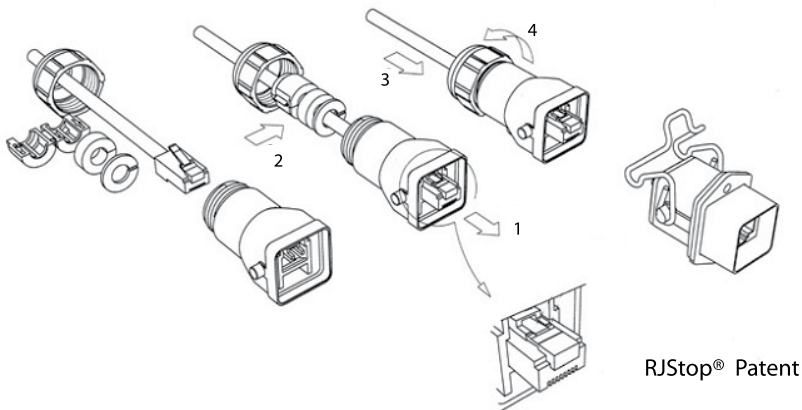34 [1.339]

φ3.50 [.138]

Back terminations

Type 1: Female RJ45

Type 2: RJ45 cordset

Notes: Type 2 without RJ45 plug at the end of the cable is also available: consult factory

Assembly Instructions

4

3

2

1

RJStop® Patent

Accessories

■ **IP68 Dust Caps**
For Plugs: **Not available**
For Receptacles: **RJF EZ BE**

■ **Panel Gasket**
Thickness: 1 mm [.039]
Part No. RJF EZ JE