RJF RB
Ethernet connection system for harsh environment – Industrial Ethernet

RJF RB allows you to use an Ethernet Class D / Cat 5e and Class E / Cat 6 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!

Main characteristics
- Sealed against fluids and dust (IP68)
- Shock, vibration and traction resistant
- No cabling operation in field, no tools required
- Reverse bayonet 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 Class D per ISO/IEC 11801
Cat 6 per TIA/EIA 568B and Class E per ISO/IEC 11801

Applications
- Telecom equipments
- Video control
- Robotics
- Industrial process control
- CNC machines
- Special machines
- Motion control

Part number code

<table>
<thead>
<tr>
<th>Shell type</th>
<th>RJF RB</th>
<th>7</th>
<th>1RA</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>composite reverse bayonet plug, plastic gland</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>composite jam nut receptacle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Back terminations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(for receptacles only)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1: female RJ45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1RA: right angle female RJ45</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2: RJ45 Cordset</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3U: IDC cat6 - unshielded</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3F: IDC cat6 - partial shielding</td>
<td></td>
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</tr>
<tr>
<td>3S: IDC cat6 - 100% shielded</td>
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</tr>
<tr>
<td>5: straight PCB</td>
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<tr>
<td>Cordset length</td>
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<tr>
<td>(for receptacles with “2” back termination only)</td>
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</tr>
<tr>
<td>03 1000BTX: 0.3m [11.81 inches]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05 1000BTX: 0.5m [19.68 inches]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 1000BTX: 1m [39.37 inches]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 1000BTX: 1.5m [59.05 inches]</td>
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<td></td>
</tr>
</tbody>
</table>

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

Examples:
- Plug: RJF RB 6
- Receptacle, female RJ45 Back termination: RJF RB 71
- Receptacle, right angle female RJ45 back termination: RJF RB 71RA
- Receptacle, 1.5m [59.05"] RJ45 cordset termination: RJF RB 72 15 1000BTX
Plug

- Type 6 shell with plastic gland

Receptacles

- Type 1: female RJ45 (front mounting)
- Type 1Ra: right angle female RJ45 (front mounting)
- Type 2: RJ45 cordset (front mounting)
- Type 3: IDC CAT 6 termination (rear mounting)

Unshielded: RJF RB 73U
Partial shielding RJF RB 73F
Shielded: RJFRB73S

Unshielded:
- RJF RB 73U
- RJFRB72XX 100BTX
  (XX=03, 05, 10 or 15 - see part number code page 3)

Partial shielding:
- RJF RB 73F

Shielded:
- RJFRB73S

Amphenol
Amphenol

Straight PCB termination receptacle:
(rear mounting)

Part number: RJF RB 75

PCB drilling RJFRB

Assembly instructions

1. Panel Drilling
2. PC Board Drilling RJFRB
3. Accessories
4. IP68 Dust caps

IMPORTANT NOTE
The customer’s PCB design will determine the receptacle category.

Accessories

IP68 Dust caps

RJF RB C7
Cap for receptacles RJFRB71 / 71RA / 72xxx

RJF RB C75
Cap for receptacles RJFRB75 and RJFRB73x
**RJF 544**

Ethernet connection system for harsh environment – Industrial Ethernet

RJF544 allows you to use an Ethernet Class D / Cat 5e connection for 10 BaseT, 100 Base TX 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!

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**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 12
- Shock, vibration and traction resistant
- No cabling operation in field and no tools required
- Sealed against fluids and dust (IP68)
- Quick push pull coupling
- RJ45 cordset retention in the plug: 100 N in the axis
- Mating cycles: 500 min
- Improved EMI Protection
- Compatible with cable diameter from 6 mm [0.236 in] to 13 mm [0.512 in]

**Environmental Protection**
- Sealing: IP68
- Salt spray > 1000 h
- Fire retardant / Low smoke: UL94 V0 and NFF 16102, DIN 5510-2
- Vibrations: 10 – 500 Hz, 10 g, 3 axes: no discontinuity > 10 nano s.
- 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 Class D per ISO/IEC 11801

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**Part number code**

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<th>2</th>
<th>03 100BTX</th>
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<tbody>
<tr>
<td>6: composite push pull plug, plastic gland</td>
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<td></td>
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</tr>
<tr>
<td>2: composite square flange receptacle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25: composite square flange receptacle transversally sealed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2M: metalized (Ni) composite square flange receptacle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2SM: metalized (Ni) composite square flange receptacle transversally sealed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Back terminations (for receptacles only)**
- 1: female RJ45
- 1RA: right angle female RJ45
- 2: RJ45 cordset

**Cordset length (for receptacles with “2” back termination only)**
- Other lengths are available on demand
- 03 100BTX: 0.3 meters [11.81 inches]
- 05 100BTX: 0.5 meters [19.68 inches]
- 10 100BTX: 1 meter [39.37 inches]
- 15 100BTX: 1.5 meters [59.05 inches]
- 00: 8 tinned holes at the rear of the PCB to solder the cable

**Remark: cabling configuration**
- 100 BTX = 568B (Ethernet specification)

**Examples:**
- Plug: RJF 544 6
- Square flange receptacle, female RJ45 back termination: RJF 544 21
- Metalized square flange receptacle, female RJ45 back termination: RJF 544 2M 1
- Square flange receptacle, 1.5m [59.05"] 100 BTX cordset termination: RJF 544 22 15 100BTX
- Square flange receptacle, solder termination: RJF 544 22 00
- Transversally sealed receptacle female RJ45 back termination: RJF544 2S1

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Now available with tranversal sealing*

*Sealed in unmated condition

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Remark: cabling configuration

ROHS COMPLIANT

NEW
**Plug**

- Type 6 shell with plastic gland

**Receptacle**

- Type 2S/2M/2SM shell: square flange receptacle with 4 mounting holes

**Notes:**

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

**Back terminations**

- Type 1: female RJ45
- Type 1RA: right angle female RJ45
- Type 2: RJ45 cordset
- Type 2-00: solder - 8 tinned holes

**Accessories**

- Rubber IP68 receptacle cap
  p/n RJF 544BESC
- Panel gasket
  p/n RJF 544 02JE
- IP68 caps for plug
  p/n 544 02 BM
- Panel gasket (thickness: 0.6mm [0.039]): p/n RJF 544 02 JE
- Plug Insert removal tool: p/n 5440 OT 02
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!

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

Applications
- Telecom equipment
- Video control
- Robotics
- Industrial process control
- CNC machines
- Special machines
- Motion control
- Tele-maintenance

Part number code

<table>
<thead>
<tr>
<th>Shell type</th>
<th>RJF EZ</th>
<th>2</th>
<th>2</th>
<th>03 100BTX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Back terminations (for receptacles only)</td>
<td>1: female RJ45</td>
<td>2: RJ45 cordset</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cordset length (for receptacles with “2” back termination only)</td>
<td>03 100BTX: 0.3m [11.81 inches]</td>
<td>05 100BTX: 0.5m [19.68 inches]</td>
<td>10 100BTX: 1m [39.37 inches]</td>
<td>15 100BTX: 1.5m [59.05 inches]</td>
</tr>
</tbody>
</table>

Remarks: 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

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

**Accessories**

- IP68 dust caps
  For plugs: **not available**
  For receptacles: RJF EZ BE
- Panel gasket
  Thickness: 1 mm (.039)
  Part No. RJF EZ JE
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
- Compliant with IEC 60603-7 variante 11
- Bayonet coupling (“Audible & Visual” coupling signal)
- 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 fluids 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.

Environmental protection
- Sealing: IP68
- Salt spray: 48 h with nickel plating > 96 h with black coating < 500 h with olive drab cadmium
- Fire retardant/Low smoke: UL94 V0 and NF F 16 101 & 16 102
- 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
- Thermal shock: 5 cycles at -40°C / +100°C
- Temperature range: -40°C / +85°C
- Storage temperature:

Part number code

<table>
<thead>
<tr>
<th>Shell type</th>
<th>RJF</th>
<th>2</th>
<th>2</th>
<th>B</th>
<th>03 100BTX</th>
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<tbody>
<tr>
<td>6: plug, plastic gland</td>
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<td></td>
</tr>
<tr>
<td>6M: plug, metal gland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2: square flange receptacle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2PE: square flange receptacle, IP68 backshell, plastic gland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2PEM: square flange receptacle, IP68 backshell, metal gland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7: jam nut receptacle</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7PE: jam nut receptacle, IP68 backshell, plastic gland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7PEM: jam nut receptacle, IP68 backshell, metal gland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Shell finishes
- B: black Coating - ROHS compliant
- N: olive drab cadmium (note: with this version, the inserts are metallized) - ROHS compliant
- GZC: aluminium shell - black zinc cobalt plating
- ZC: aluminium shell - green zinc cobalt plating - ROHS compliant

Cordset length (for receptacles with “2” back termination only) - Other lengths are available on demand
- 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]

Remark: Cabling configuration ► 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

Applications
- Robotics
- Industrial process control
- CNC machines
- Special machines
- Oil & Gas
- Motion control
- Data acquisition and transmission in harsh environment
- Tele-maintenance

Data transmission
- 10 BaseT, 100 BaseTX and 1000 BaseT networks
- Cat 5e per TIA/EIA 568B and ClassD per ISO/ IEC 11801
Plug
- Shell type 6 with plastic or metal gland

Receptacles
- Square flange receptacle • 4 mounting holes: shell type 2
- Jam nut receptacle • Hexagonal nut mounting: shell type 7
- Receptacles with IP68 backshell: shell type 2PE and 7PE with plastic or metal gland

Back terminations
- Type 1 Female RJ45
- Type 1RA Right angle female RJ45
- Type 2 RJ45 cordset
- Type OPEN No plug at the end
- Type 2 - 00 Solder - 8 tinned holes
Universal: can be used with all standard RJ45 Cat.5e cordset brands.

Assembly instructions of the RJ Stop
1. Push down the RJ45 cordset latch, and fix it inside the insert
2. Press in and click the other part of the insert
3. Insert in the metallic housing

Easy and safe - No field cabling tools required

Accessories
- Metallic cap
  - RJFC: 2 G
- Connector type
  - 6: plug
  - 2: square Flange Receptacle
  - 7: Jam Nut Receptacle
- Shell material & finish
  - B: black coating - ROHS compliant
  - N: aluminium shell - nickel plating - ROHS compliant
  - G: aluminium shell - olive drab cadmium plating

- Panel gasket for square flange  2 » thickness - 0.6 mm
  - P/N: JE 18

IMPORTANT NOTE: to remove the insert, use the
- Insert removal tool for receptacle and plug
  - P/N: RJF ODE
**RJF**

Special receptacles: cable mount inline & PC tails

**Inline cable mount receptacles**

Inline receptacles allow you to make cable extensions in the field by using them with rugged RJ Field series plugs.

<table>
<thead>
<tr>
<th>Plating</th>
<th>Plastic gland</th>
<th>Metallic gland</th>
</tr>
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<tbody>
<tr>
<td>Black coating - ROHS compliant</td>
<td>RJF2PEWF1B</td>
<td>RJF2PEMF1B</td>
</tr>
<tr>
<td>Nickel - ROHS compliant</td>
<td>RJF2PEWF1N</td>
<td>RJF2PEMF1N</td>
</tr>
<tr>
<td>Olive drab cadmium</td>
<td>RJF2PEWF1G</td>
<td>RJF2PEMF1G</td>
</tr>
</tbody>
</table>

**PC tails receptacles**

These receptacles can be soldered directly on your PCB. A compound insures a transversal sealing and good performance in high vibration environments. They can be connected with rugged RJField series plugs.

<table>
<thead>
<tr>
<th>Plating</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black coating - ROHS compliant</td>
<td>RJF 2S X 5B</td>
</tr>
<tr>
<td>Nickel - ROHS compliant</td>
<td>RJF 2S X 5N</td>
</tr>
<tr>
<td>Olive drab cadmium</td>
<td>RJF 2S X 5G</td>
</tr>
</tbody>
</table>

X to be replaced by the letter of the coding position you need (A, B, C, or D)
RJF series receptacles and plugs with EMI backshells provide a solution with 360° shielding: same protection than the one proposed by standard MIL-DTL-26482H connectors. With those solutions we recommend using our reinforced and double shielded Cat5e, Cat6, or Cat6A cable ► see pages 41-42-43.

**Square flange receptacle - Straight backshell**

Kit30439 & Kit30439Ni include:

**Plug - Straight backshell**

Kit30394 & Kit30394Ni include:

<table>
<thead>
<tr>
<th>Part number</th>
<th>Plating</th>
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<tbody>
<tr>
<td>Kit30439Ni</td>
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<td>Kit30394</td>
<td>Olive drab cadmium</td>
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</table>

<table>
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<th>Part number</th>
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<tr>
<td>Kit30394Ni</td>
<td>Olive drab cadmium</td>
<td>Kit30394Ni</td>
</tr>
</tbody>
</table>
RJF
Environmentaly sealed receptacles, 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 examples below. This feature is available both in RJF and RJF TV shells (please consult the relevant data sheet for product details and accessories).
In addition, the Sealed RJF TV has been successfully tested in very high vibration corresponding to airplane applications.

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

Main characteristics
- Same as the RJF and RJF TV 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 and RJF TV series.
- Vibrations: the compounded versions of the RJF TV have been tested in vibration following the NAS 1599 Aeronautic specification (Ambient temperature): 5 - 3000 Hz, 20g, 2.5 mm [.1 inch] double amplitude, 3 axes, 12 hours
Note: this specification exceeds MIL-C-26500 requirements.

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

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

PART NUMBER CODE

Series | RJF | RJF-MIL-DTL-26482 H bayonet
Shell type | 2S: sealed square flange receptacle | 7S: sealed jam nut receptacle
Coding | A,B,C,D
Back terminations (for receptacles only)
1: female RJ45
1RA: right angle female RJ45
2: RJ45 Cordset
Shell material & finish
B: aluminium shell - black coating - ROHS compliant
N: aluminium shell - nickel plating - ROHS compliant
G: aluminium shell - olive drab cadmium plating
Note: for nickle and olive drab cadmium plating, receptacle inserts are metallised.
Cordset length (For Receptacles with "2" Back Termination only) - Other lengths are available on demand
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]
OPEN: open cable - with no plug at the end

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

Examples:
- bayonet, sealed jam nut receptacle, A coding, with female RJ45 back termination, olive drab cadmium plating: RJF 7SA 1 G
- bayonet, sealed square flange receptacle, A coding, with female RJ45 back termination, black plating: RJF 2SA 1 B
- bayonet, sealed jam nut receptacle, A coding, 1.5m [59.05"] 100 BTX cordset, olive drab cadmium plating: RJF 7SA 2 G15 1008TX
In some applications, a transversal hermiticity for the receptacle is a «must». This will prevent gas from going through the receptacle when plug or cap are not mated to the receptacle.

The hermetic solution (version "H") has a compound at the rear of the receptacle as shown on the examples below. This feature is available both in RJF and RJF TV shells (please consult the relevant data sheet for product details and accessories).

Helium leakage is less than $1.1 \times 10^{-6}$ cm$^3$ per second [0.1 micron cubic ft per hour] at one bar [15 psi] pressure differential.

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

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

### Main characteristics
- Same as the RJF and RJF TV 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 and RJF TV series.
- Vibrations: the compounded versions of the RJF TV have been tested in vibration following the NAS 1599 Aeronautic specification (Ambient temperature): 5 - 3000 Hz, 20g, 2,5 mm [.1 inch] double amplitude, 3 axes, 12 hours
- Note: this specification exceeds MIL-C-26500 requirements.

### 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.

### Example:
RJFTV 2H A2 N 15 100 BTX

### Part number code

#### Series
- **RJF**: MIL-DTL-26482 H bayonet
- **2H**: transversally sealed and hermetic square flange receptacle
- **7H**: transversally sealed and hermetic jam nut receptacle

#### Shell type

#### Coding
- A, B, C, D

#### Back terminations (for receptacles only)
- 1: female RJ45
- 1RA: right angle female RJ45
- 2: RJ45 Cordset

#### Shell material & finish
- B: aluminium shell - black coating - ROHS compliant
- N: aluminium shell - nickel plating - ROHS compliant
- G: aluminium shell - olive drab cadmium plating

#### Nota: for nickel and olive drab cadmium plating, receptacle inserts are metallized.

#### Cordset length (for receptacles with "2" back termination only) - Other lengths are available on demand
- **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]
- **OPEN**: open cable - with no plug at the end

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

Examples:
- bayonet, sealed jam nut receptacle, A coding, with female RJ45 back termination, olive drab cadmium plating: RJF 7HA 1 G
- bayonet, sealed square flange receptacle, A coding, with female RJ45 back termination, black plating: RJF 2HA 1 B
- bayonet, sealed jam nut receptacle, A coding, 1.5m [59.05"] 100 BTX cordset, olive drab cadmium plating: RJF 7HA 2 G15 100 BTX