RJF RB

Ethernet connection system for harsh environment – Industrial Ethernet

IDC Receptacle
CAT 6

PCB Receptacle

RJFRB 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!

Applications

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

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 ClassD per ISO/IEC 11801
Cat6 per TIA/EIA 568B and ClassE per ISO/IEC 11801

Part number code

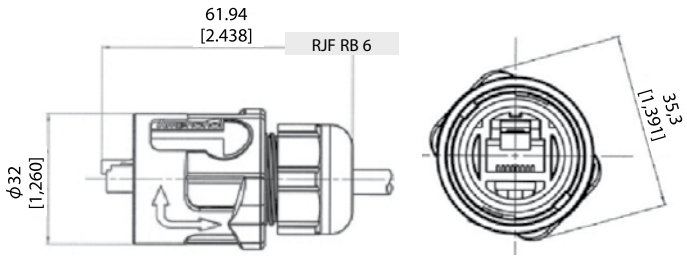
RJF RB	7	1RA
Shell type **6**: composite reverse bayonet plug, plastic gland **7**: composite jam nut receptacle		
Back terminations *(for receptacles only)* **1**: female RJ45 **1RA**: right angle female RJ45 **2**: RJ45 Cordset **3U**: IDC cat6 - unshielded **3F**: IDC cat6 - partial shielding **3S**: IDC cat6 - 100% shielded **5**: straight PCB		
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 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 100BTX

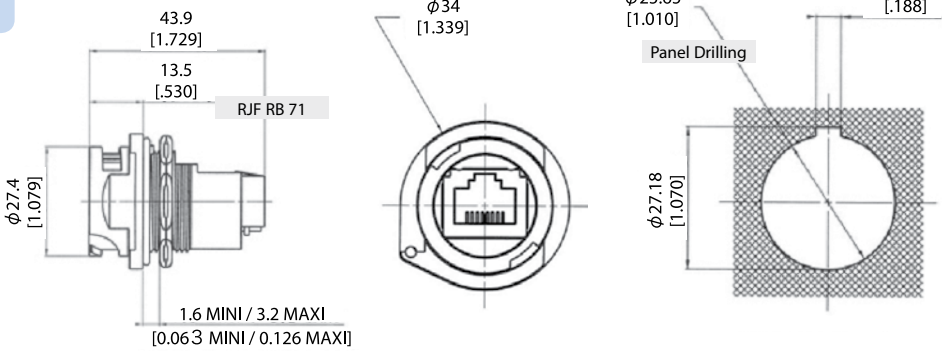
Plug

■ Type 6 shell with plastic gland

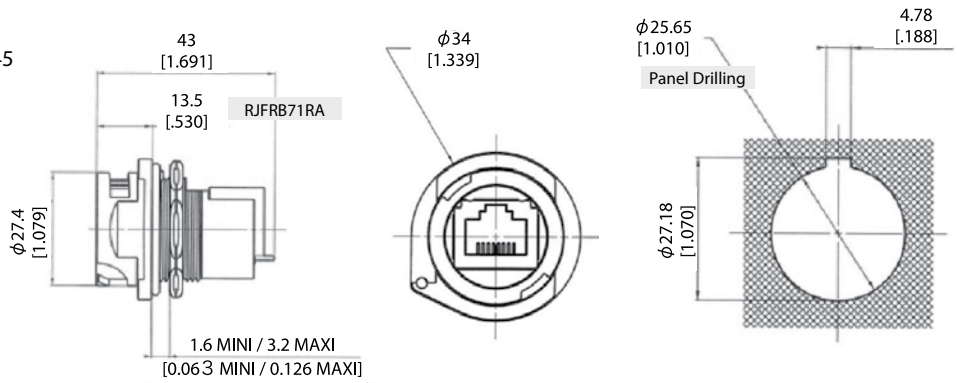


Receptacles

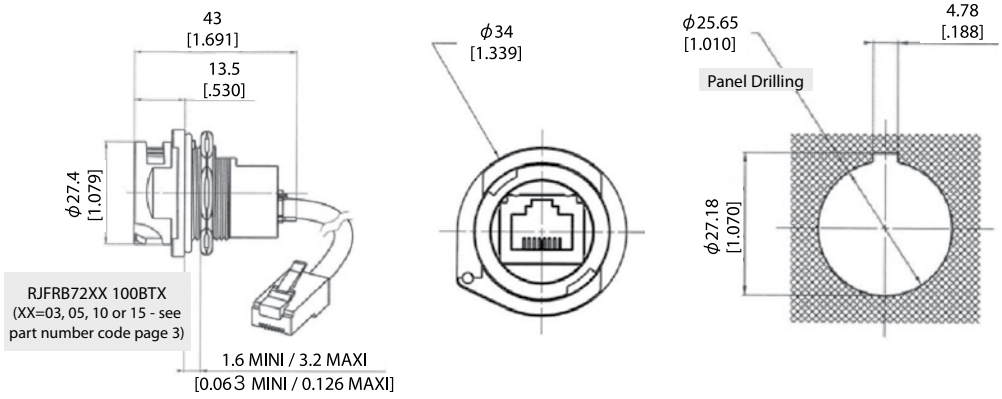
■ Type 1: female RJ45
(front mounting)



■ Type 1RA: right angle female RJ45
(front mounting)

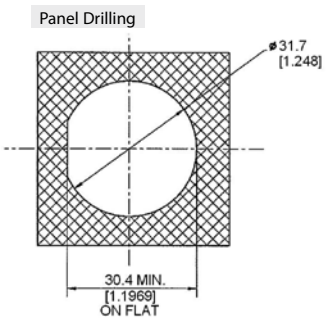


■ Type 2: RJ45 cordset
(front mounting)



■ Type 3: IDC **CAT 6** termination
(rear mounting)

Unshielded: **RJF RB 73U**
Partial shielding **RJF RB 73F**

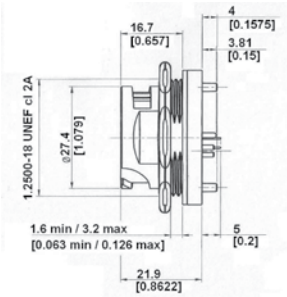


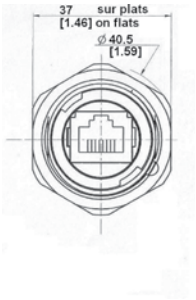
Shielded: **RJFRB73S**

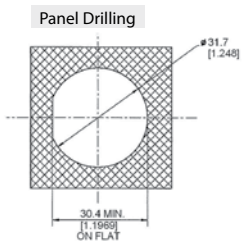
Amphenol

■ Straight PCB termination receptacle:
(rear mounting)

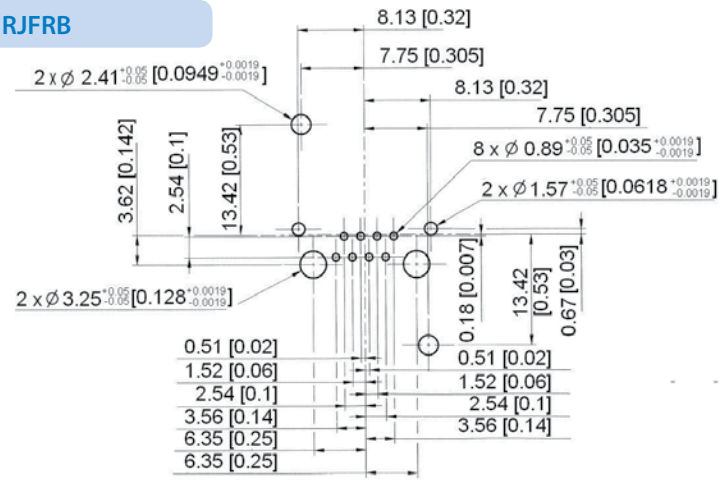
Part number: RJF RB 75







PCB drilling RJFRB



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

Assembly instructions

1 

2 

3 

4 

5 

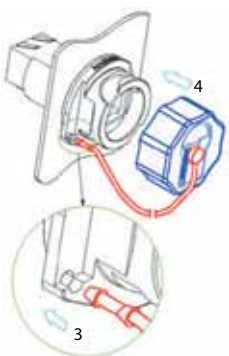
6 

7 

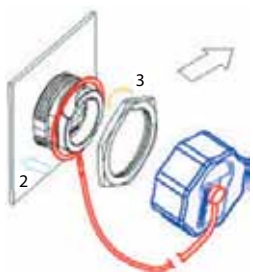
8 

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

ROHS COMPLIANT

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 !

Applications

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

Now available with tranversal sealing*
***Seald in unmated condition**

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 ClassD per ISO/IEC 11801

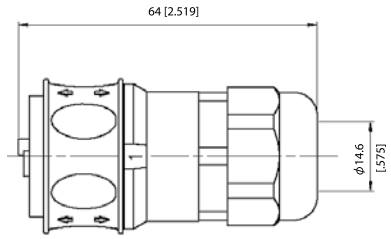
Part number code

RJF 544	2	2	03 100BTX
Shell type **6**: composite push pull plug, plastic gland **2**: composite square flange receptacle **2S**: composite square flange receptacle transversally sealed **2M**: metallized (Ni) composite square flange receptacle **2SM**: metallized (Ni) composite square flange receptacle transversally sealed			
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)			

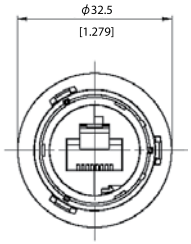
Examples:
- Plug: RJF 544 6
- Square flange receptacle, female RJ45 back termination: RJF 544 21
- Metallized square flange receptacle, female RJ45 back termination: RJF 544 2M 1
- Square flange receptacle, 1,5m [59.05"] 100 BTX cordset termination: RJF 544 22 15 100BTX
- Square flange receptacle, solder termination: RJF 544 22 00
- Transversally sealed receptacle female RJ45 back termination: RJF544 2S1

Plug

- Type 6 shell with plastic gland

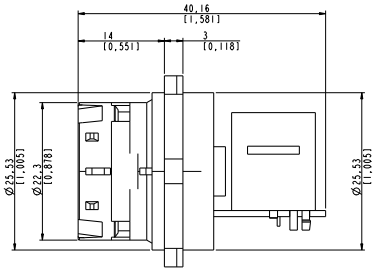


RJF 544 6

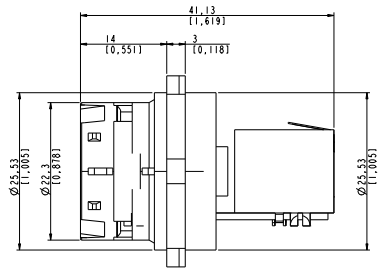


Receptacle

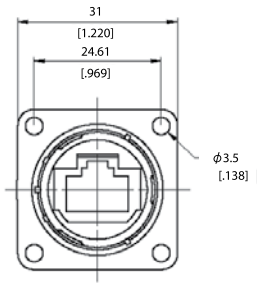
- Type 2S/2M/2SM shell: square flange receptacle with 4 mounting holes

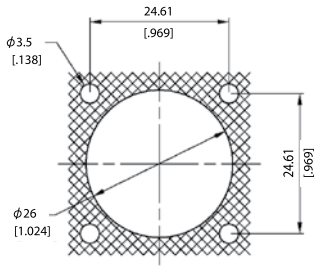


RJF 544 2x 1 RA



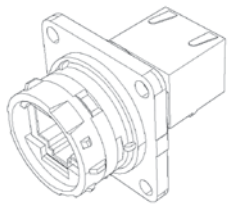
RJF 544 2x 1



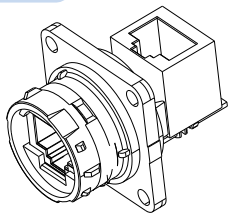


Panel Drilling
(same as#16 MIL-C-5015)

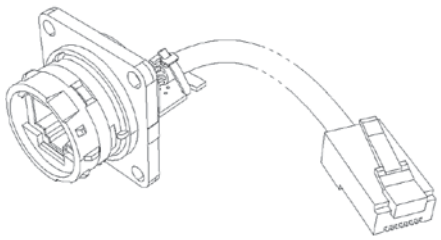
Back terminations



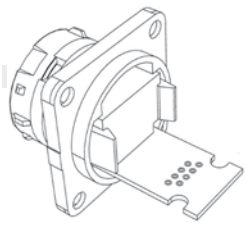
Type1: female RJ45



Type1RA: right angle female RJ45



Type2: RJ45 cordset



Type 2 - 00: solder - 8 tinned holes

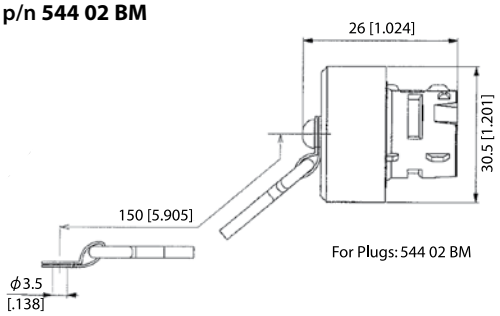
Notes: type 2 without RJ45 plug at the end of the cable is also available: consult factory

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**



For Plugs: 544 02 BM

- Panel gasket (thickness: 0.6mm [.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!

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

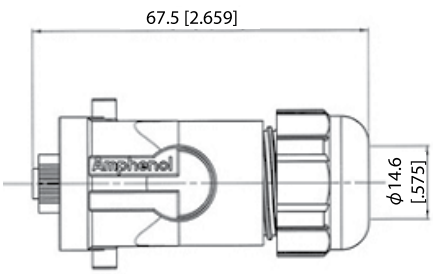
10 BaseT, 100 BaseTX and 1000 BaseT networks
Cat 5e per TIA/EIA 568B and ClassD per ISO/IEC 11801

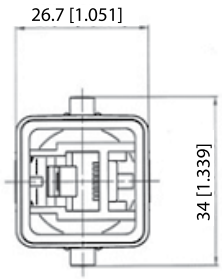
Part number code

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)			

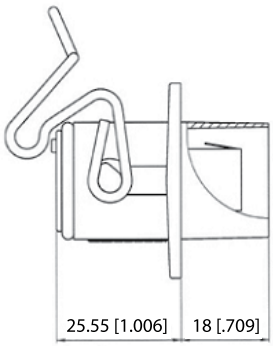
Examples: - Plug: RJF EZ 6
- Receptacle, female RJ45 back termination: RJF EZ 21
- Receptacle, 1,5m [59.05"] 100 BTX cordset termination: RJF EZ 22 15 100BTX

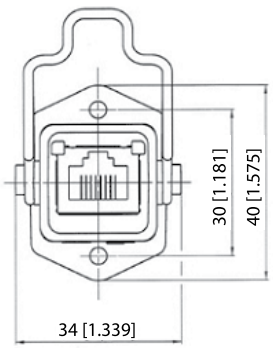
Plug



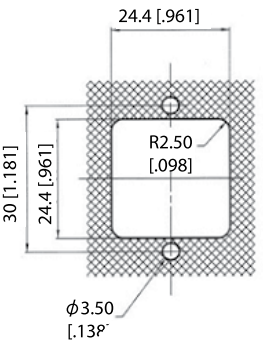


Receptacles



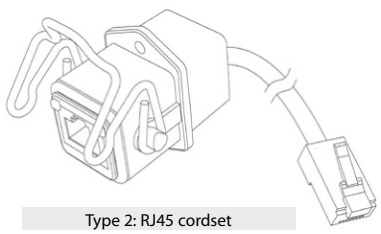


Panel Drilling



Back terminations

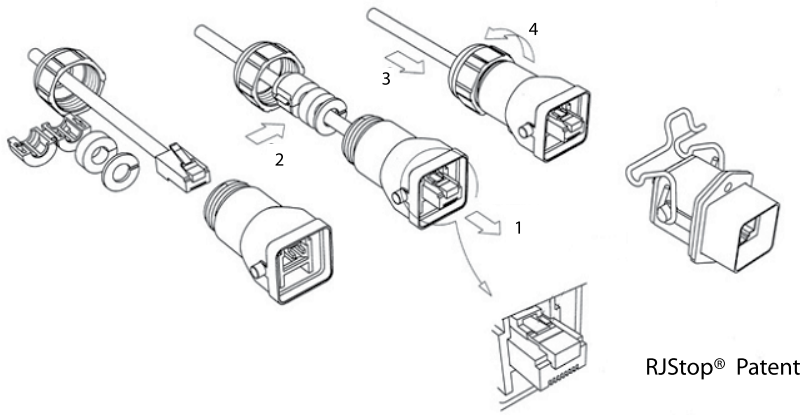
Type 1: female RJ45



Type 2: RJ45 cordset

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

Assembly instructions



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**

RJF

Ethernet connection system for harsh environment – Industrial Ethernet

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:

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

Part number code

	RJF	2	2	B	03 100BTX

Shell type
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
Nota: *also available a transversally sealed receptacle (unmated)* ►*see page 22*

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

Shell finishes
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*

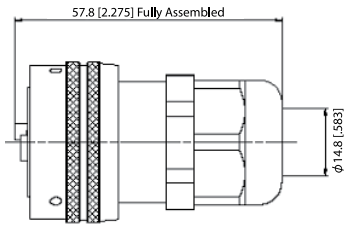
Cordset length (*for receptacles with "2" back termination only) - Other lengths are available on demand*
03 100 BTX: 0.3m *[11.81 inches]*
05 100 BTX: 0.5m *[19.68 inches]*
10 100 BTX: 1m *[39.37 inches]*
15 100 BTX: 1.5m *[59.05 inches]*
00: 8 tinned holes at the rear of the PCB to solder the cable
OPEN: open cable - with no plug at the end

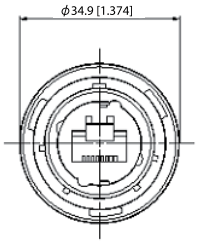
Remark: Cabling configuration → 100 BTX = 568B (Ethernet specification)

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

Plug

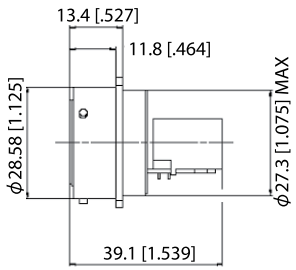
■ Shell type 6 with plastic or metal gland



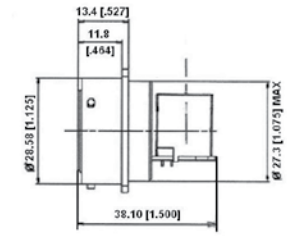


Receptacles

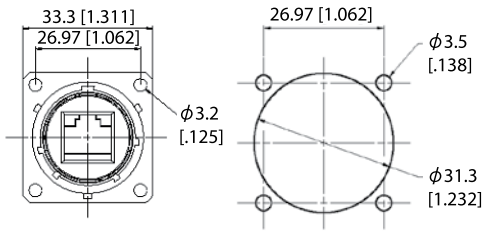
■ Square flange receptacle • 4 mounting holes: shell type 2



RJF 21 X (Straight Female RJ45)

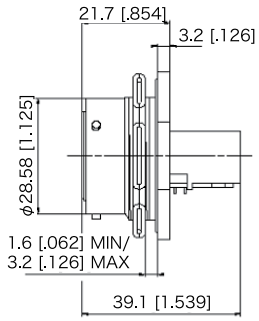


RJF 21 RA X (Right Angle Female RJ45)

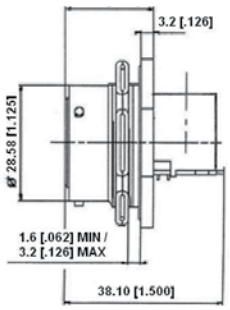


Panel Drilling

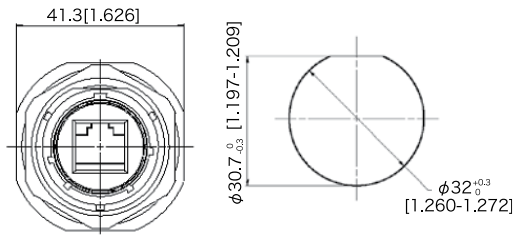
■ Jam nut receptacle • Hexagonal nut mounting: shell type 7



RJF 71 X (straight female RJ45)

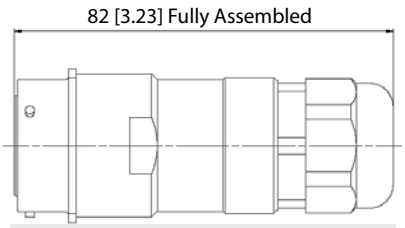


RJF 71 RA X (right angle female RJ45)

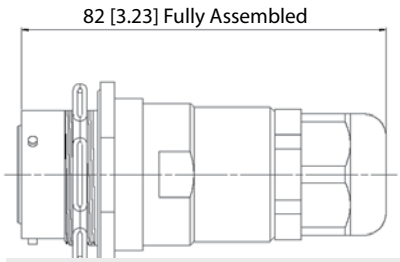


Panel drilling

■ Receptacles with IP68 backshell : shell type 2PE and 7PE with plastic or metal gland

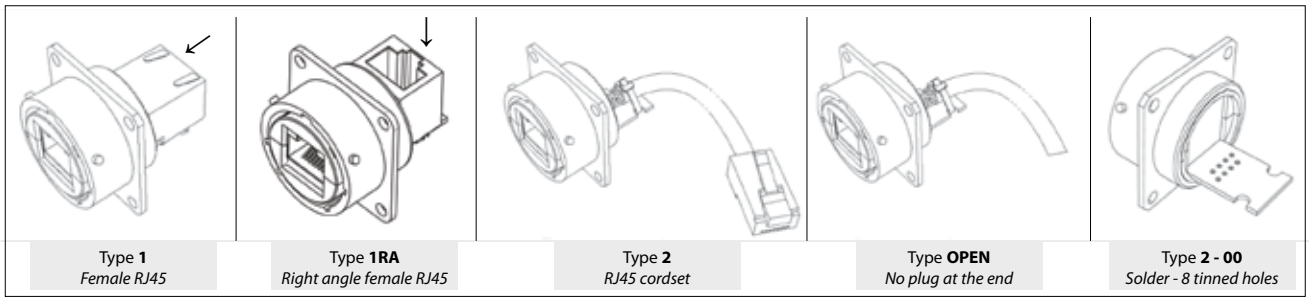


RJF 2PE/2PEM



RJF 7PE/7PEM

Back terminations

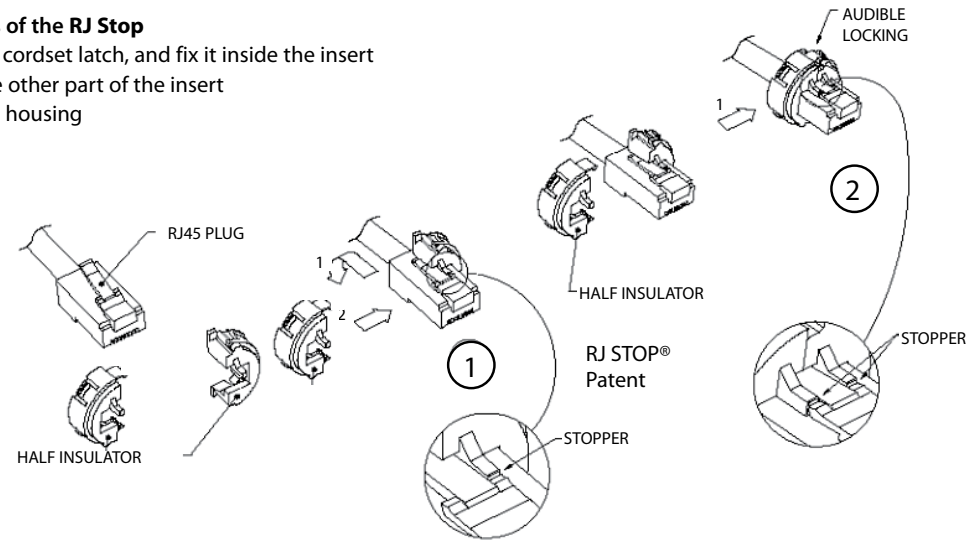


Type **1** *Female RJ45*	Type **1RA** *Right angle female RJ45*	Type **2** *RJ45 cordset*	Type **OPEN** *No plug at the end*	Type **2 - 00** *Solder - 8 tinned holes*

Universal: can be used with all standard RJ45 Cat.5e cordset brands.

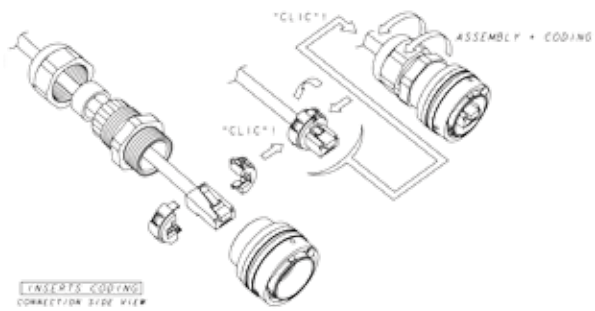
Assembly instructions of the RJ Stop

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

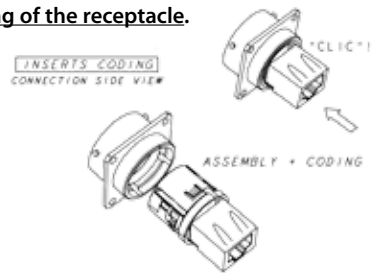


Easy and safe - No field cabling tools required

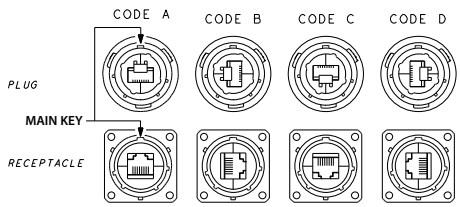
Assembling of the plug.



Assembling of the receptacle.



4 codings possibilities
(defined by the customer during the assembling).



IMPORTANT NOTE: to remove the insert, use the

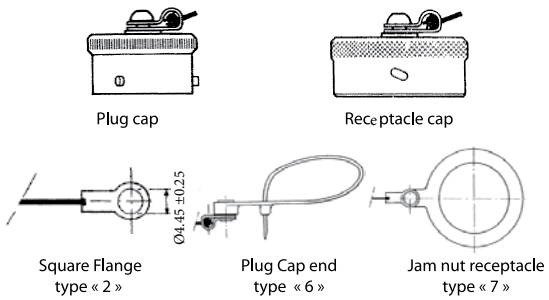
- **Insert removal tool for receptacle and plug**

P/N: **RJF ODE**

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**

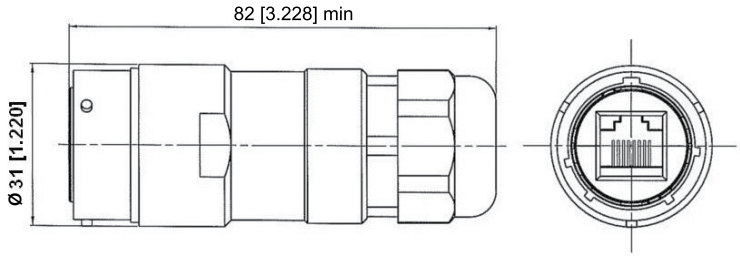
P/N: **JE 18**

RJF

Special receptacles: cable mount inline & PC tails

Inline cable mount receptacles

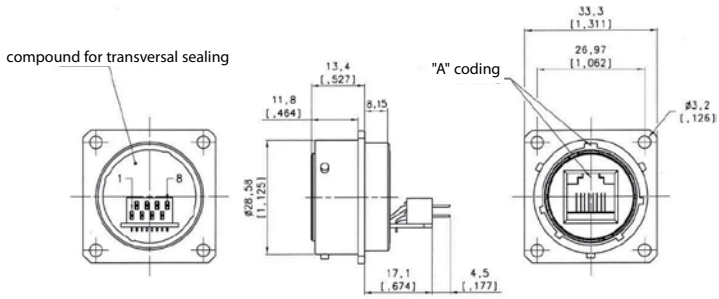
Inline receptacles allow you to make cable extensions in the field by using them with rugged RJ Field series plugs.



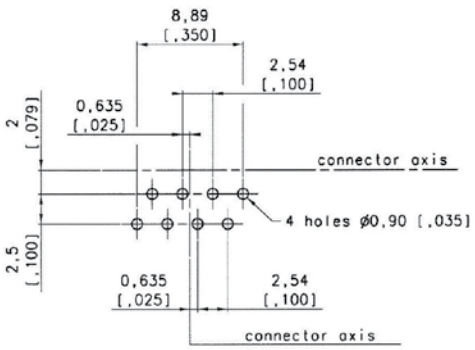
	Plating	Plastic gland	Metallic gland
Part number	Black coating - *ROHS compliant*	**RJF2PEWF1B**	**RJF2PEMWF1B**
	Nickel - *ROHS compliant*	**RJF2PEWF1N**	**RJF2PEMWF1N**
	Olive drab cadmium	**RJF2PEWF1G**	**RJF2PEMWF1G**

PC tails receptacles

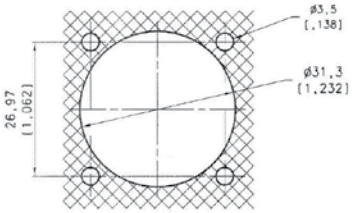
These receptacles can be soldered directly on your PCB. A compound insures a transversal sealing and good performance in high vibration environments. They can be connected with rugged RJField series plugs.



PCB LAYOUT – SOLDER FACE VIEW

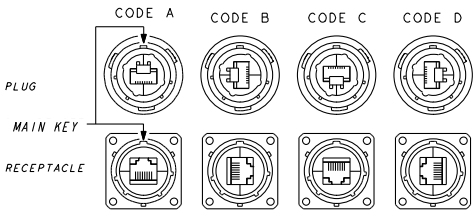


Panel Drilling



	Plating	Part number
Part number	Black coating - *ROHS compliant*	**RJF 2S X 5B**
	Nickel - *ROHS compliant*	**RJF 2S X 5N**
	Olive drab cadmium	**RJF 2S X 5G**

X to be replaced by the letter of the coding position you need (A, B, C, or D)

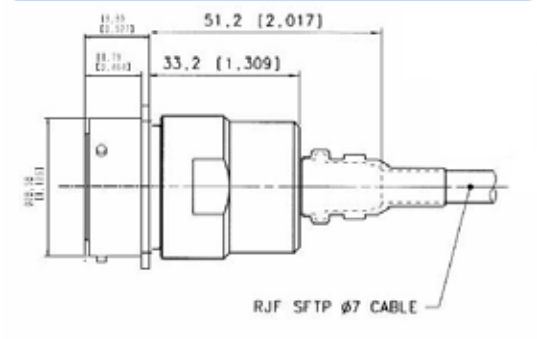


RJF

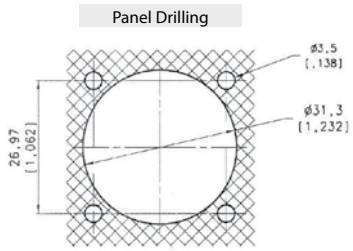
Receptacles & plugs with 360° EMI backshell

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*

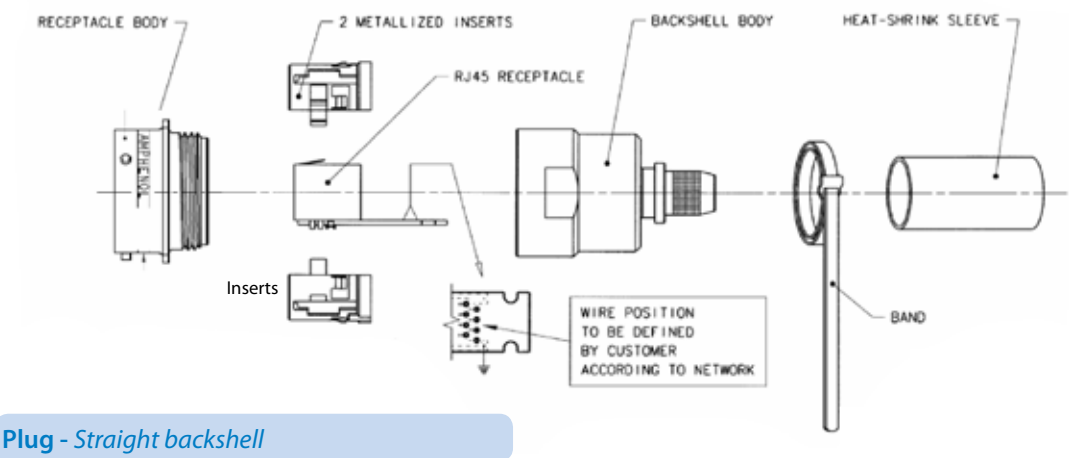


Panel Drilling

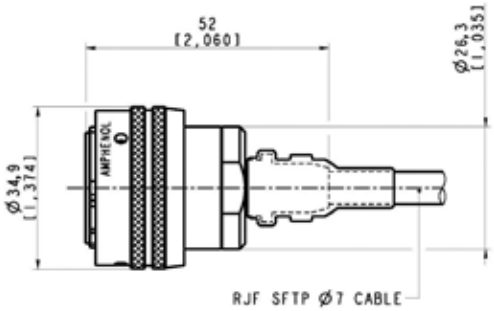


Part number	Plating	Part number
	Nickel - *ROHS compliant*	**Kit30439NI**
	Olive drab cadmium	**Kit30439**

Kit30439 & Kit30439NI include:



Plug - *Straight backshell*



Part number	Plating	Part number
	Nickel - *ROHS compliant*	**Kit30394NI**
	Olive drab cadmium	**Kit30394**

Kit30394 & Kit30394NI include:

Plug body | Inserts | Backshell body | Band | Heat shrink sleeve

RJF

Environmentaly sealed receptacles, transversally sealed receptacles

ROHS COMPLIANT
N, B & BZ

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

Data transmission

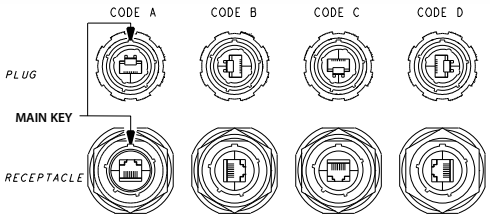
10 BaseT, 100 BaseTX and 1000 BaseT networks
Cat 5e per TIA/EIA 568B and ClassD per ISO/IEC 11801

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 2S **A**2 G 15 100BTX

Part number code

	RJF	7S	A	2	G	03 100BTX
Series **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 ***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 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 100BTX***

RJF
Hermetic receptacles

ROHS COMPLIANT N, B & BZ

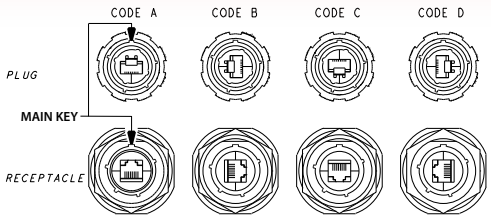
In some applications, a transversal hermiticity for the receptacle is a « must ».
This will prevent gas from going through the receptacle when plug or cap are not mated to the receptacle.
The hermetic solution (version "H") has a compound at the rear of the receptacle as shown on the examples below.
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 1.10^{-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 **A**2 N 15 100BTX

Part number code

	RJF	7H	A	2	G	03 100BTX
Series **RJF:** MIL-DTL-26482 H bayonet						
Shell type **2H:** transversally sealed and hermetic square flange receptacle **7H:** transversally sealed and hermetic 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 ***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 100BTX***

Amphenol