

RJFTV™ - ATEX ZONE 2



Description

RJFTVX connectors are certified for use in explosive environments. This range is designed to be used in ATEX zone 2 environments and 100% tested at 500V during 1 minute without sparking.

MAIN CHARACTERISTICS

- Ex marking : II3G ExnAII T6 X
- Operating temperature range : -40°C / +60°C
- Voltage : 60 Veff max
- Power : 20 W max
- Outside cable diameter : 6mm to 12mm
- Sealing : IP68

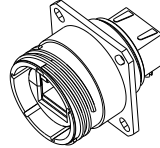
DATA TRANSMISSION

- 10 BaseT, 100 BaseTX and 1000 BaseT networks
- Cat 5e per TIA/EIA 568B and ClassD per ISO/IEC 11801
- Cat.6 per TIA/EIA 568B and ClassE per ISO/IEC 11801
- Cat.6A per TIA/EIA 568B and ClassEa per ISO/IEC 11801

How to order : Please refer to page 118

Back terminations

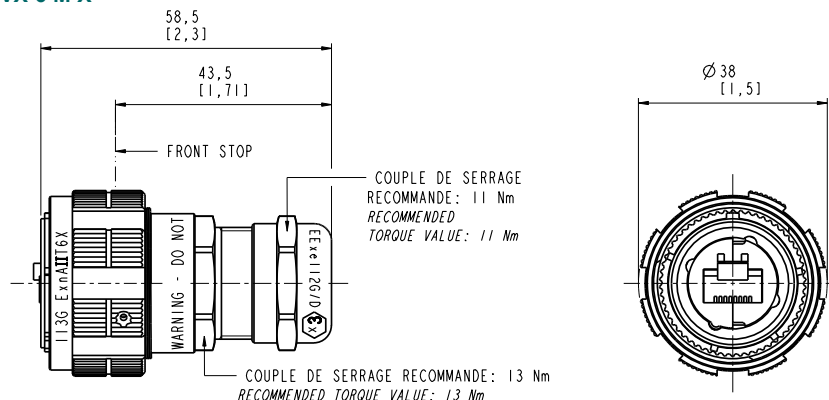
Type 1:
Female RJ11



Overall dimension

Atex plug - Shell type 6

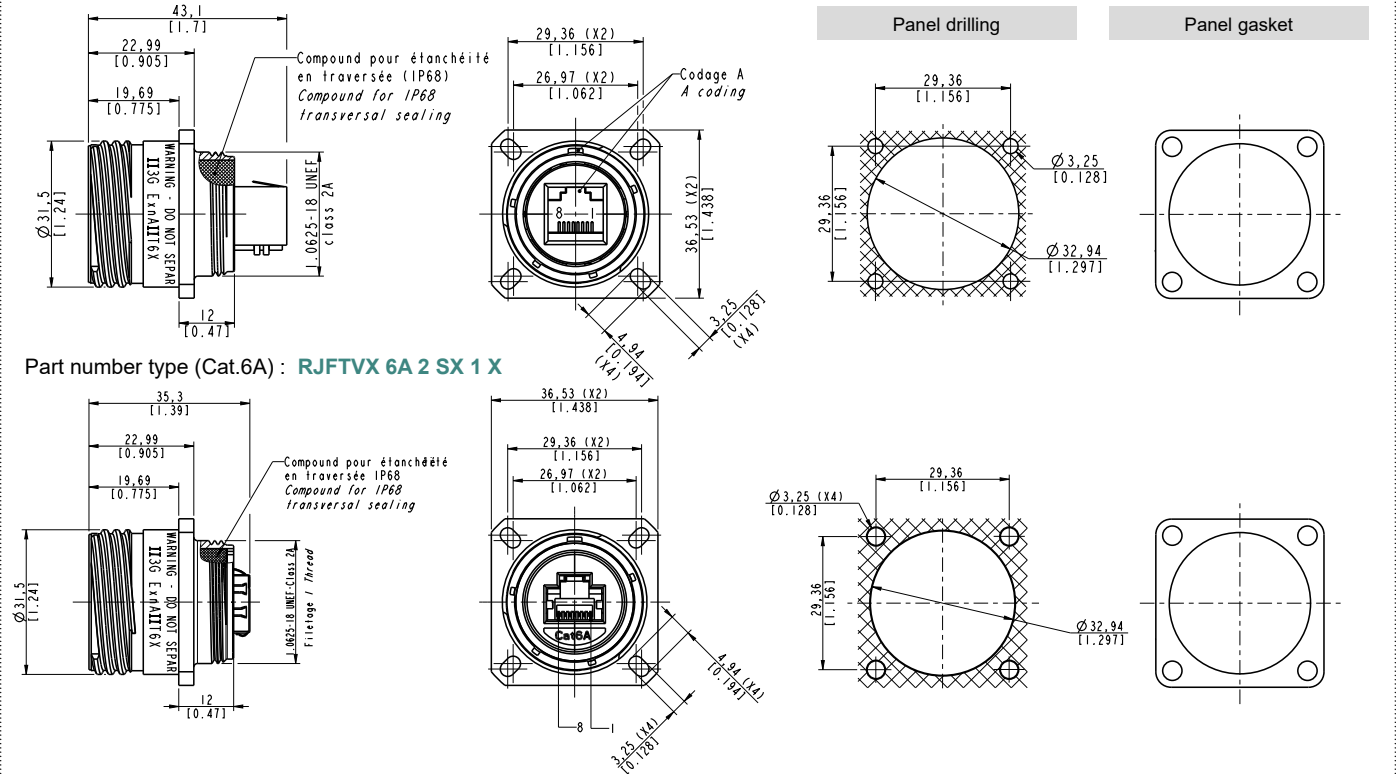
Part number type : **RJFTVX 6 M X**



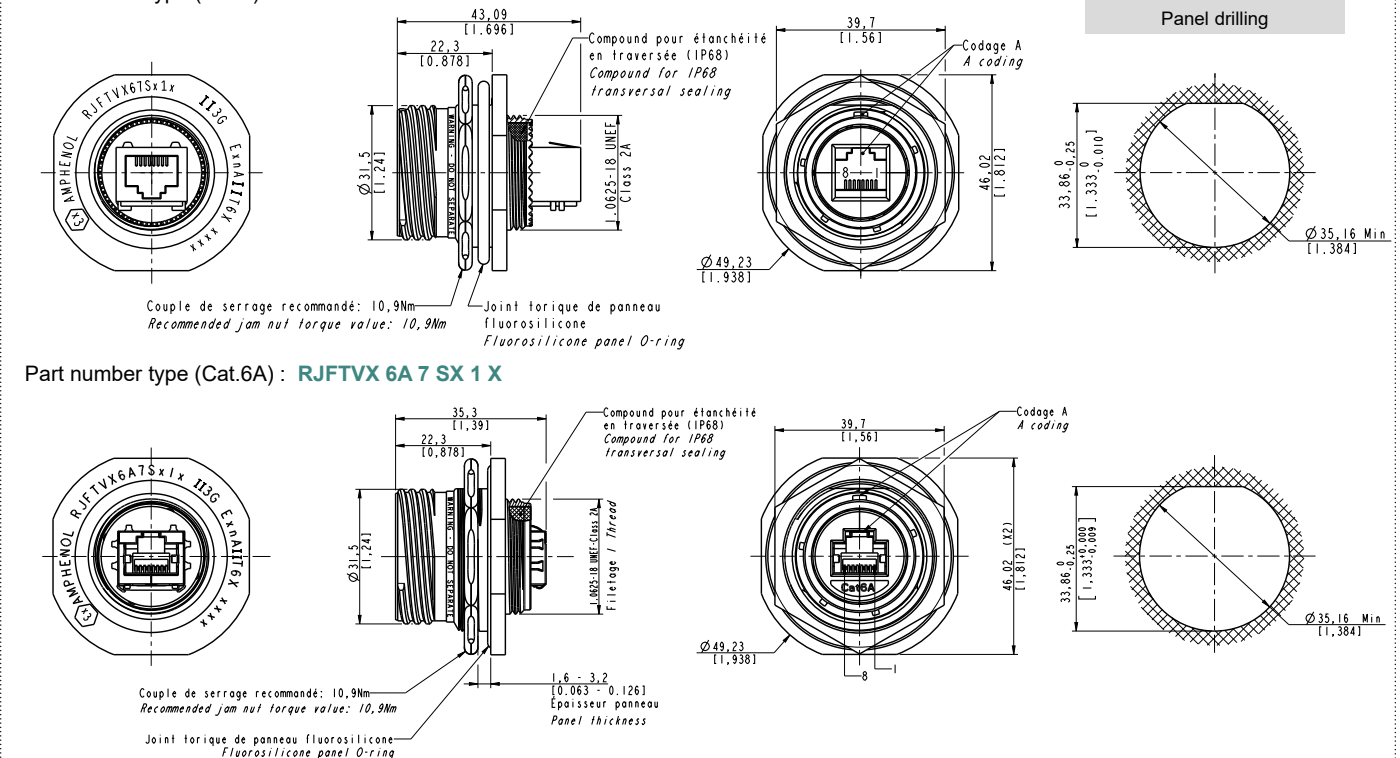
RJFTV™ - ATEX ZONE 2

Overall dimension

Atex receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Back termination type 1

Part number type (Cat.5e) : **RJFTVX 2 SX 1 X**Part number type (Cat.6) : **RJFTVX 6 2 SX 1 X**

Atex receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Back termination type 1

Part number type (Cat.5e) : **RJFTVX 7 SX 1 X**Part number type (Cat.6) : **RJFTVX 6 7 SX 1 X**

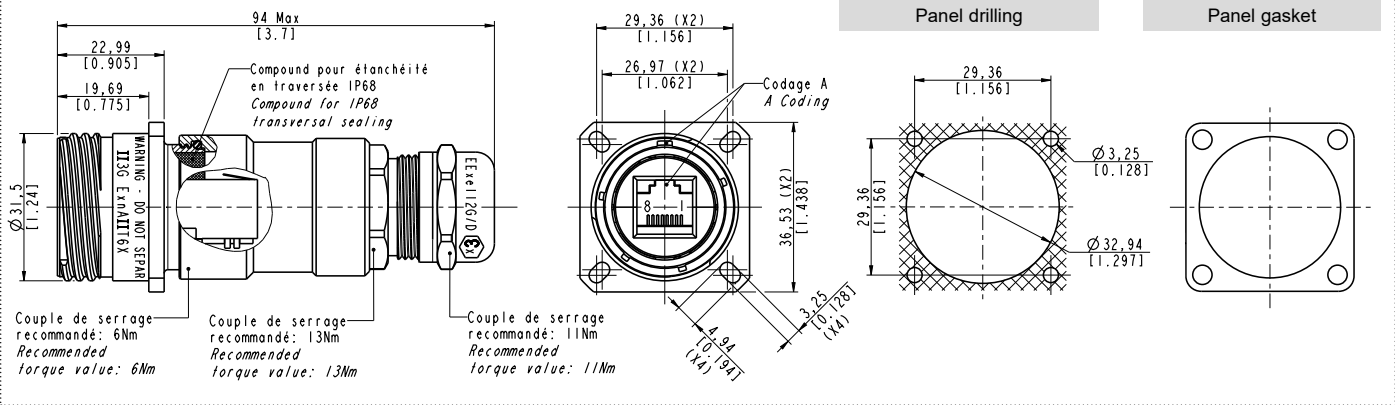
RJFTV™ - ATEX ZONE 2

Overall dimension

Atex receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Backshell with metal gland

Part number type (Cat.5e) : **RJFTVX 2 SX PEM 1 X**

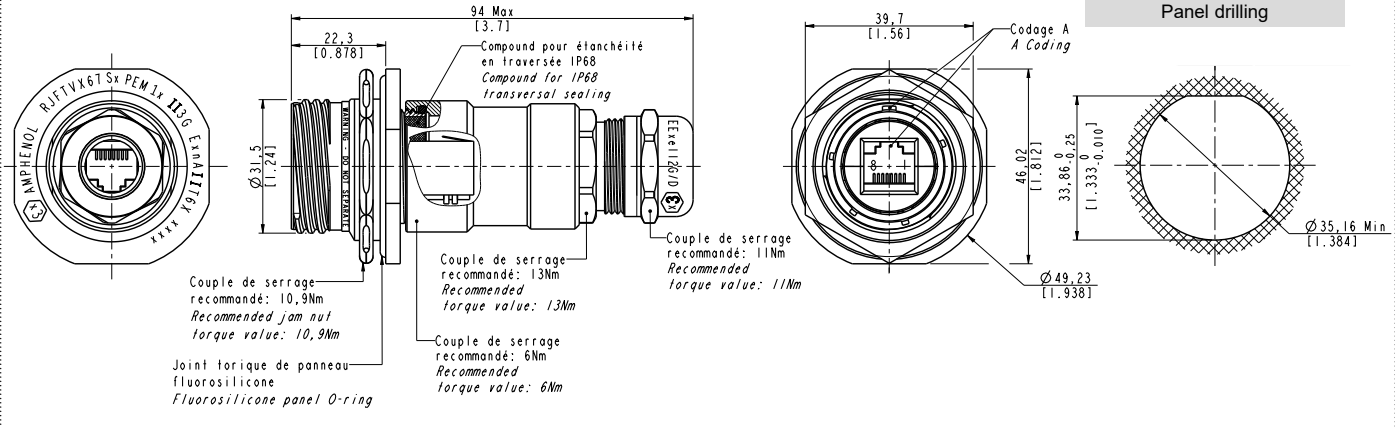
Part number type (Cat.6) : **RJFTVX 6 2 SX PEM 1 X**



Atex receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Backshell with metal gland

Part number type (Cat.5e) : **RJFTVX 7 SX PEM 1 X**

Part number type (Cat.6) : **RJFTVX 6 7 SX PEM 1 X**



HOW TO ORDER - RJFTV™ - ATEX ZONE 2

1.

2.

3.

4.

5.

6.

Series	Shell type	Coding (for receptacle only)	Back termination (for receptacle only)	Shells material and finish	Cordset option (back termination type 2 only)
RJFTVX	2S	A	2	G	03 100BTX

1. Series

RJFTVX	Cat.5e Ethernet connector - Atex zone 2
RJFTVX6	Cat.6 Ethernet connector - Atex zone 2 (back termination 1 only)

2. Shell type

6M	Plug	Metal gland
2S	Square flange receptacle	Transversally sealed
7S	Jam nut receptacle	Transversally sealed

3. Coding (for receptacle only)

A	Coding A
B	Coding B
C	Coding C
D	Coding D

4. Back termination

1	Female RJ45
2	RJ45 cordset

5. Shell material and finish

G		Olive Drab Cadmium plating
N	Aluminium shell	Nickel plating ✓

6. Cordset option (back termination type 2 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]

Examples :

Part number	Description
RJFTVX62SB1N	RJFTV Cat.6, atex zone 2, transversally sealed square flange receptacle, coding B, female RJ45 back termination, nickel plating
RJFTVX7SA2N03100BTX	RJFTV Cat.5e, atex zone 2, transversally sealed jam nut receptacle, coding A, 0,3m cordset with RJ45 plug at the end, nickel plating
RJFTVX6MN	RJFTV, atex zone 2, plug with metal gland, nickel plating

USBFTV™ - ATEX ZONE 2



Description

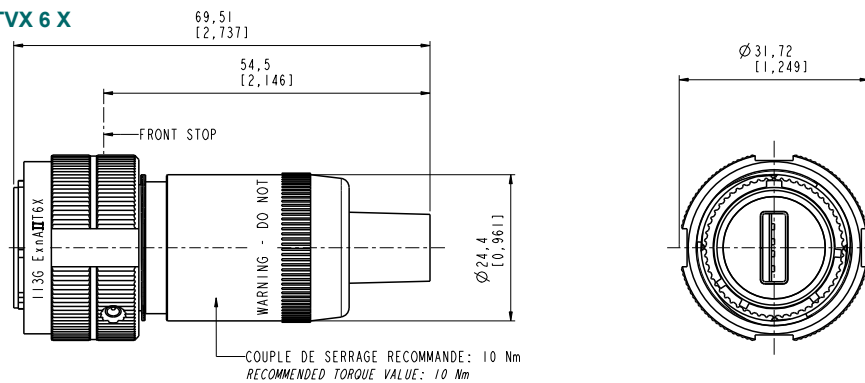
USBFTVX connectors are the same as the standard USBFTV™, but in addition, they are certified for use in explosive environments. This range is fitted to be used in ATEX zone 2 environments and 100% tested at 500V during 1 minute without sparking.

How to order : Please refer to page 91

Overall dimension

Plug - Shell type 6

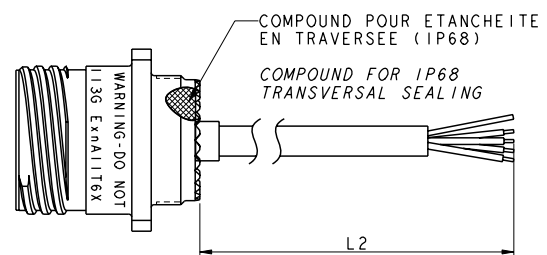
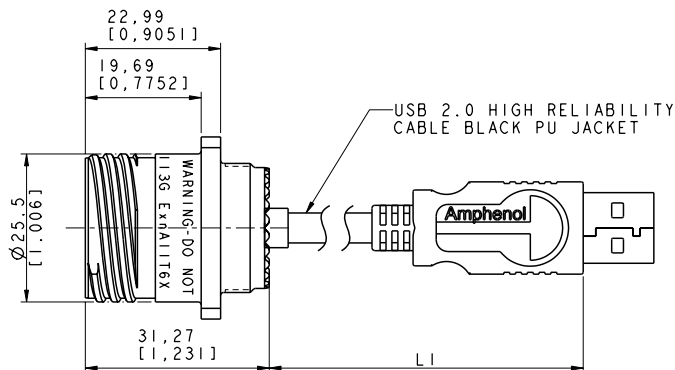
Part number type: **USBFTVX 6 X**



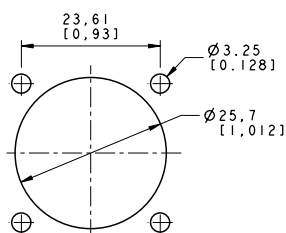
Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - USB-A or Open cordset

Part number type: **USBFTVX 2S X 2 X XX A**

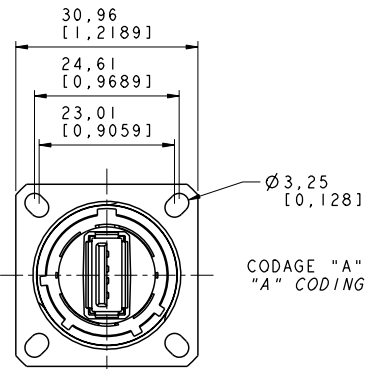
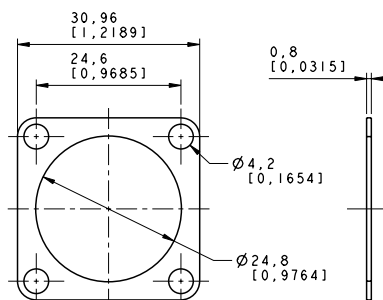
Part number type: **USBFTVX 2S X 2 X XX OPEN**



Panel drilling



JE15 Panel Gasket

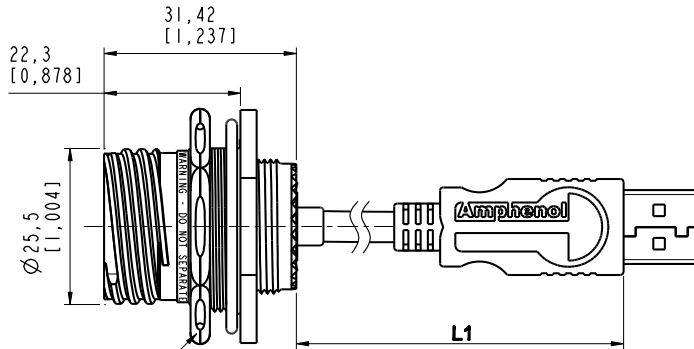


USBFTV™ - ATEX ZONE 2

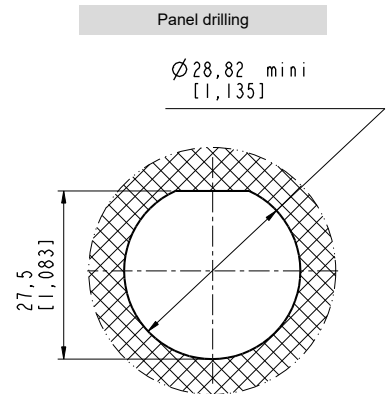
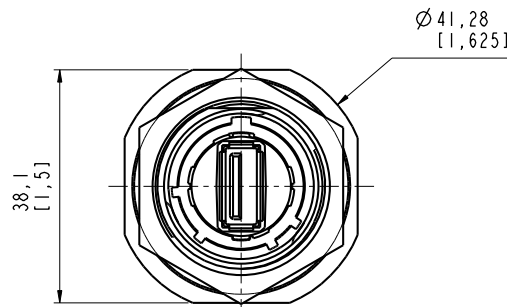
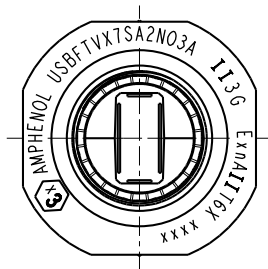
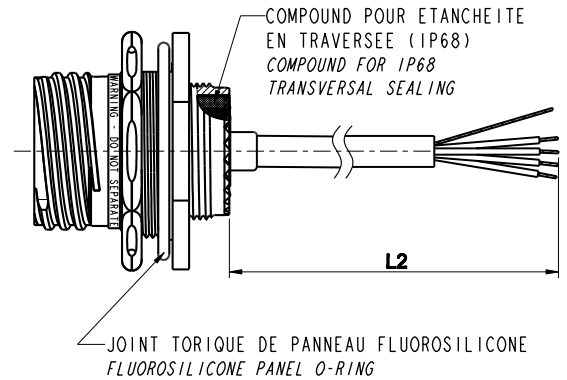
Overall dimension

Receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - USB-A or Open cordset

Part number type: **USBFTVX 7S X 2 X XX A**



Part number type: **USBFTVX 7S X 2 X XX OPEN**



HOW TO ORDER - USBFTV™ - ATEX ZONE 2

1.	2.	3.	4.	5.	6.	7.
Series	Shell type	Coding (for receptacle only)	Back terminations (for receptacle only)	Shell material and finish	Cordset lenght (for receptacle only)	USB Cable end (for receptacle only)
USBFTVX	2S	A	2	G	03	A

1. Series

USBFTVX USB2.0 Field Series (USB-A) for Atex Zone 2

2. Shell type

6	Plug	Transversally sealed
2S	Square flange receptacle	
7S	Jamp nut receptacle	

3. Coding (for receptacle only)

A	Coding A
B	Coding B

4. Back terminations (for receptacle only)

2	USB2.0 cable
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5. Shell material & finish

G	Aluminium shell	Olive Drab Cadmium plating
N		Nickel plating ✓
ZN		Black Zinc Nickel ✓
BZ	Marine bronze shell ✓	

6. Corset lenght (for receptacle only)

03	0,3 m [11.81 inches]
05	0,5 m [19.68 inches]
10	1,0 m [39.37 inches]
15	1,5 m [59.05 inches]

7. USB Cable end (for receptacle only)

A	USB-A plug
OPEN	Open USB 2.0 cable without plug at the end

Examples :

Part number	Description
USBFTVX6G	USBFTV for atex zone 2, plug, olive drab cadmium plating
USBFTVX7SA2G03A	USBFTV for atex zone 2, transversally sealed jam nut receptacle, coding A, olive drab cadmium plating, 0,3m USB2.0 cable with USB-A plug at the end
USBFTVX7SA2N03OPEN	USBFTV for atex zone 2, transversally sealed jam nut receptacle, coding A, nickel plating, 0,3m USB2.0 cable with open end

✓: RoHS compliant

RJ11FTV - ATEX ZONE 2



Description

RJ11FTVX connectors allow you to use a standard RJ11 connection in Atex zone 2 environments. This range is designed to be used in Atex zone 2 environments and 100% tested at 500V during 1 minute without sparking. This solution has several advantages. The assembly of your solutions is fast and easy because you don't need any tool. You can choose between four different codings on the plug and receptacle side. With the help of dedicated tool you can remove the insert of the receptacle in order to change the coding if needed. You can also use it for reparation or maintenance. Everything can be done in place.

Main features

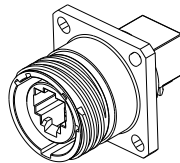
MAIN CHARACTERISTICS

- Ex marking : II3G ExnAIIIT6 X
- Operating temperature range : -40°C / +60°C
- Voltage : 60 Veff max
- Power : 20 W max
- Outside cable diameter : 4 to 5,5mm
- Sealing : IP68

How to order : Please refer to page 119

Back terminations

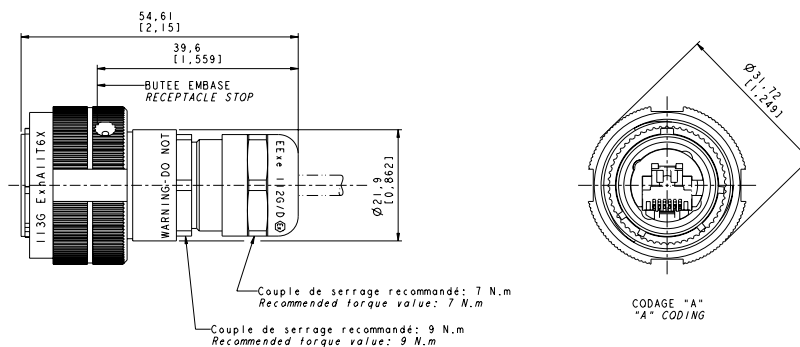
Type 1:
Female RJ11



Overall dimension

Atex plug - Shell type 6

Part number type : **RJ11FTVX 6 M X**

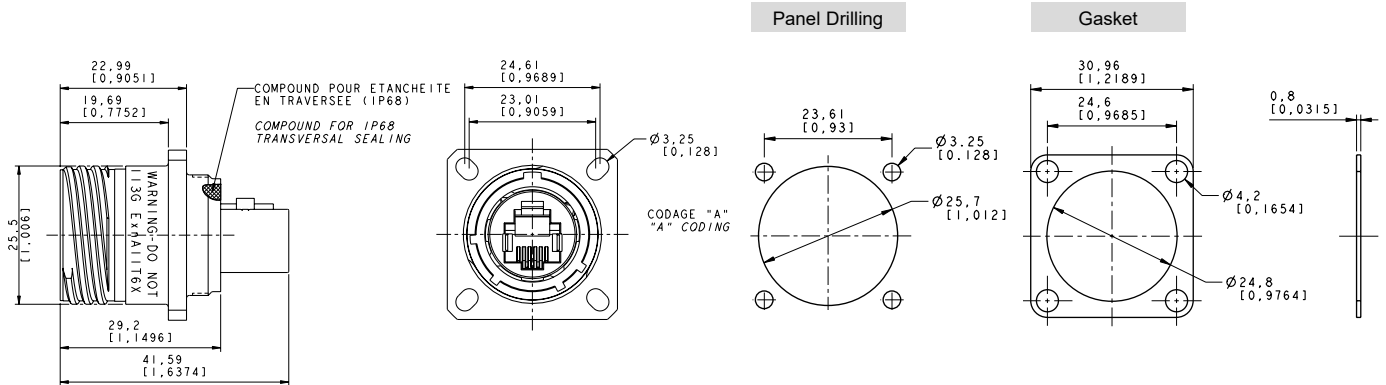


RJ11FTV - ATEX ZONE 2

Overall dimension

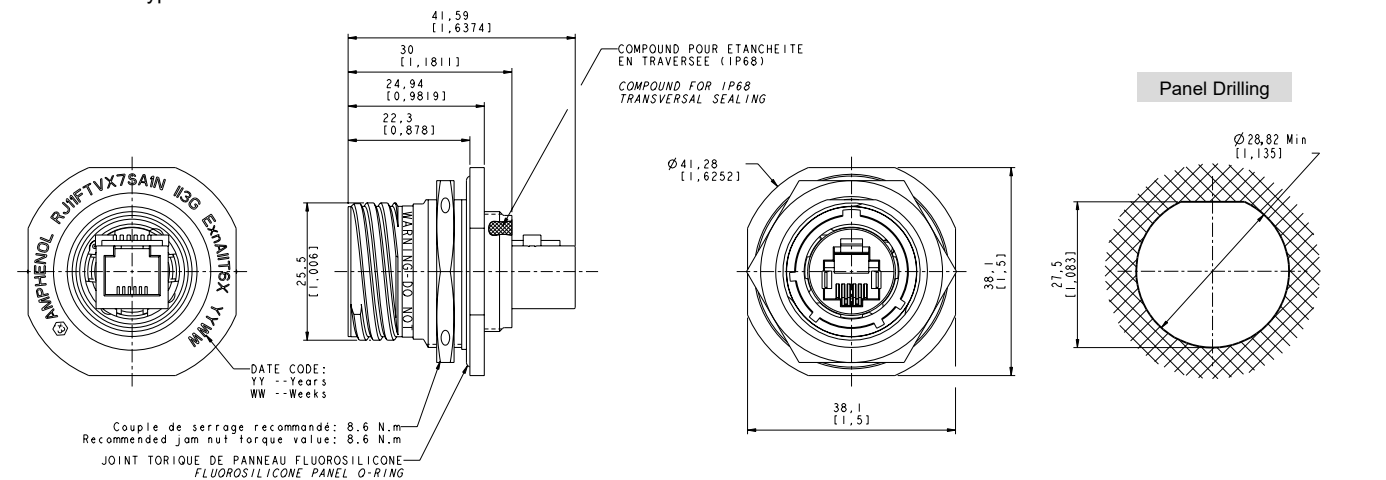
Atex square flange receptacle - 4 mounting holes - Shell type 2

Part number type : **RJ11FTVX 2 SA 1 X**



Atex jam nut receptacle - Hexagonal nut mounting - Shell type 7

Part number type : **RJ11FTVX 7 SA 1 X**



Important note:

- Due to the compound, the coding orientation has to be define in the reference.
- To choose your coding orientation, please refer to "Assembly instructions" page 104.

HOW TO ORDER - RJ11FTV - ATEX ZONE 2

1.	2.	3.	4.	5.
Series	Shell type	Coding (for receptacle only)	Back termination (for receptacle only)	Shells material and finish
RJ11FTV X	2S	A	2	G

1. Series

RJ11FTVX	RJ11FTV Field - Atex zone 2
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2. Shell type

6M	Plug	Metal gland
2S	Square flange receptacle	Transversally sealed
7S	Jam nut receptacle	Transversally sealed

3. Coding (for receptacle only)

A	Coding A
B	Coding B
C	Coding C
D	Coding D

4. Back termination

1	Female RJ45
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5. Shell material and finish

G	Aluminium shell	Olive Drab Cadmium plating
N		Nickel plating ✓

Examples :

Part number	Description
RJ11FTVX6MG	RJF11TV, atex zone 2, plug with metal gland, olive drab cadmium plating
RJ11FTVX7SA1G	RJF11TV, atex zone 2, transversally sealed jam nut receptacle, female RJ11 back termination, olive drab cadmium plating
RJ11FTVX2SA1N	RJF11TV, atex zone 2, transversally sealed square flange receptacle, female RJ11 back termination, nickel plating

✓ : RoHS compliant

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[RJFTVX6MG](#) [RJFTVX2SA1G](#) [RJFTVX7SA1G](#) [RJFTVX7SA1N](#) [RJFTVX2SAPEM1N](#) [RJFTVX2SAPEM1G](#)