RJFTV™

Description

The RJFTV™ is our main standard derivated from MIL-DTL-38999 series III with a shell size 19. This tri-start thread coupling mechanism is the most resistant of all against shock or vibration, perfectly suitable for all transmission in harsh environment.
This solution has several advantages. The assembly of your solutions is easily installed because you don't need any tool, thanks to the patented RJStop system. You can choose between four different codings on the plug and receptacle side. With the help of the dedicated tool you will be able 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. The complete solution is metallized and united when connected in order to transmit the electrical continuity from cordset to the panel.
The following pages list all complementary configurations that you could need on your system such as sealed and hermetic receptacles, 360° EMI solutions for reinforced shielding or whether special plugs for big insulations wire.

Main features

MAIN CHARACTERISTICS
- Tri Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device - Shell size 19
- Sealed against fluids and dusts (IP68)
- Shock, vibration and traction resistant
- No cabling operation in field and no tools required
- Mechanical coding / Polarization (4 positions)
- Improved EMI protection
- Robust metallic shells
- RJ45 cordset retention in the plug: 100 N in the axis
- Mating cycles: 500 min
- Compatible with cable diameter from 6 mm [0.236 in] to 12 mm [0.472 in], for smaller diameters please consult us

ENVIRONMENTAL PROTECTION
- Sealing: IP68
- Salt spray: - 48 h with nickel plating over aluminium shell ✓
  - 500 h black zinc nickel plating over aluminium shell ✓
  - 500 h with olive drab cadmium plating over aluminium shell
  - 500 h with marine bronze shell ✓
- Fire retardant/Low smoke : UL94 V0 and EN45545
- Vibrations : 10 - 500 Hz, 10 g, 3 axes: no discontinuity > 10 nano s.
- Compounded versions tested per NAS 1599 (5-3000 Hz, 20g, 12h)
- Shocks: IK06 ►weight of 250 g drop from 40 cm [15.75 in] onto connectors (mated pair)
- Humidity: 21 days, 43°C, 98% humidity
- Temperature range: -40°C / +85°C
- Panel thickness: 1,57 mm min and 3,18 mm max for jam nut receptacle

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

APPLICATIONS
- Battlefield communication systems
- C5ISR
- Data acquisition and transmission in harsh environment
- Navy
- Rail Mass Transit
- Industrial process control
- Robotics
- CNC machines
- Oil & Gas

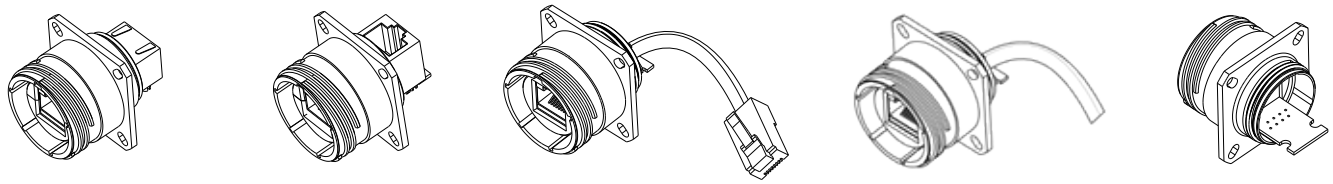
How to order : **Please refer to page 113**

✓ : RoHS compiant

RJFTV™

Back terminations

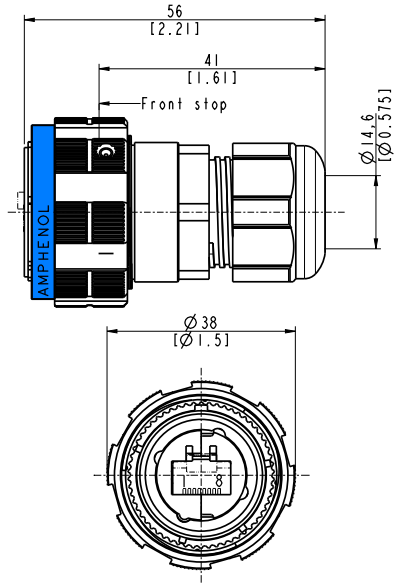
Type 1:	Type 1RA:	Type 2:	Type 2 OPEN:	Type 2 - 00:
Female RJ45	Right angle female RJ45	RJ45 cordset	No plug at the end	Solder - 8 tinned holes



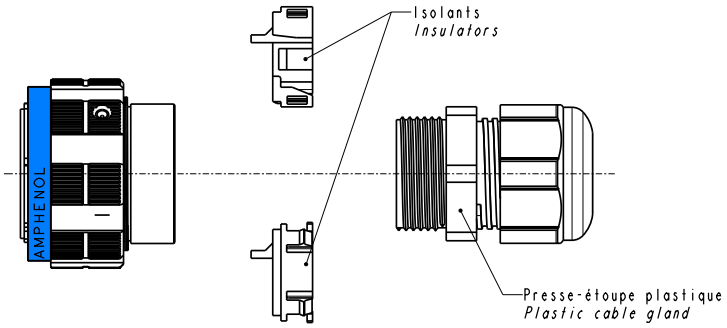
Overall dimension

Plug - Shell type 6 - Plastic gland

Part number type : **RJFTV 6 X**

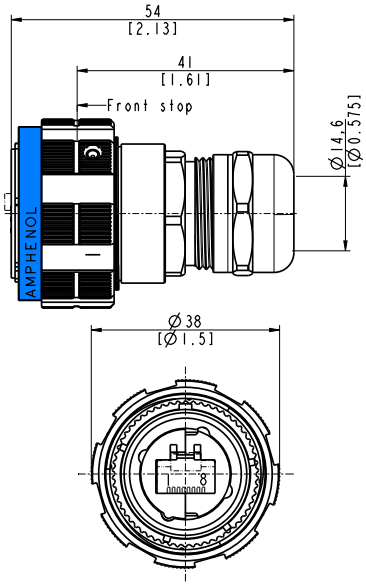


Components

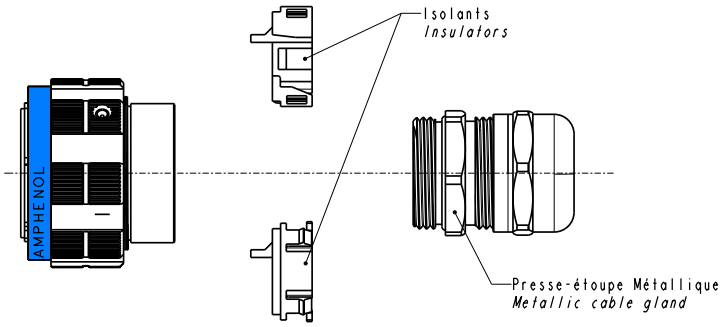


Plug - Shell type 6 - Metal gland

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



Components

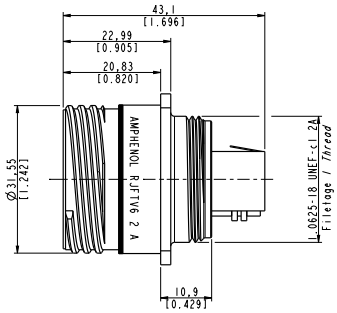


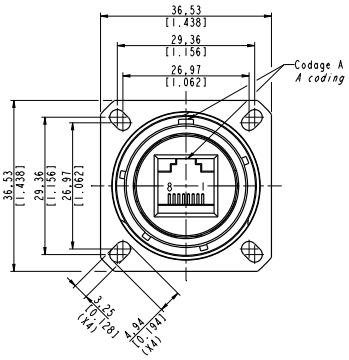
RJFTV™

Overall dimension

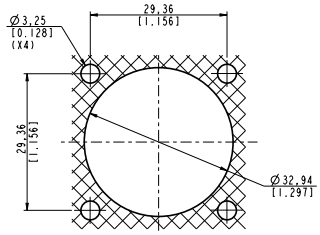
Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - back termination type 1

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

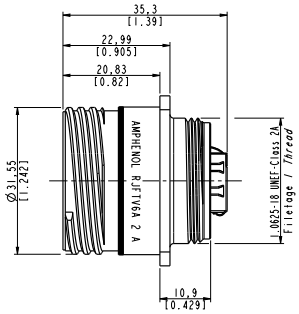


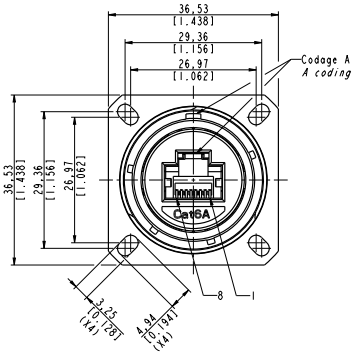


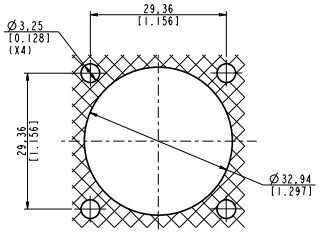
Panel drilling



Part number type (Cat.6A) : **RJFTV 6A 2 X 1 X**

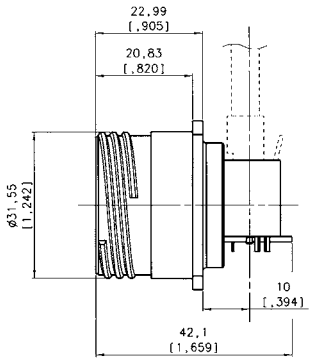


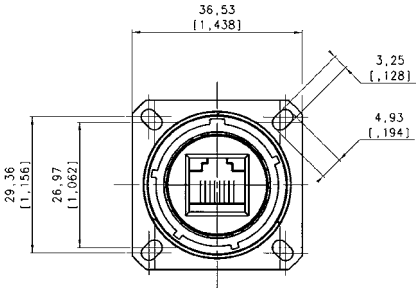




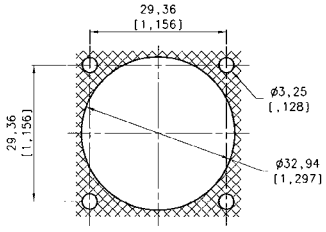
Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - back termination type 1RA

Part number type (Cat.5e) : **RJFTV 2 1RA X**

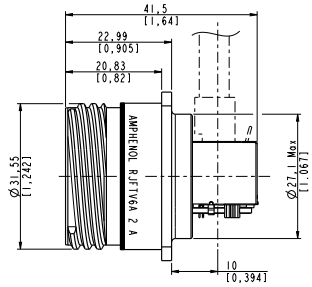


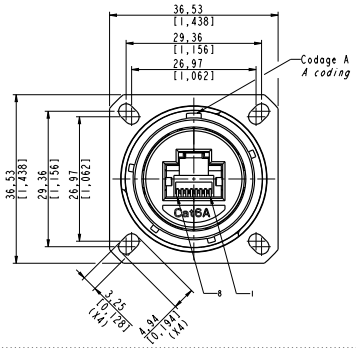


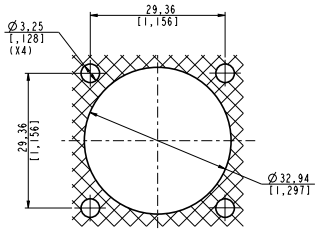
Panel drilling



Part number type (Cat.6A) : **RJFTV 6A 2 X 1RA X**





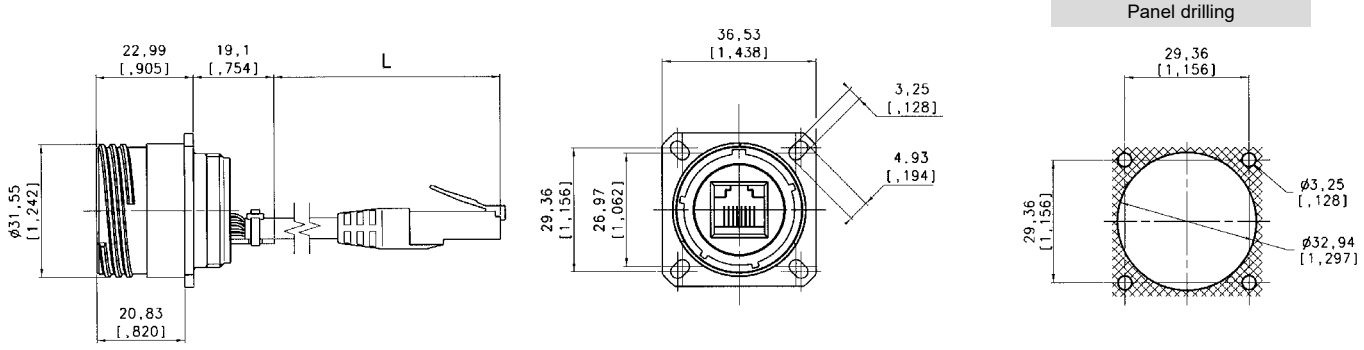


RJFTV™

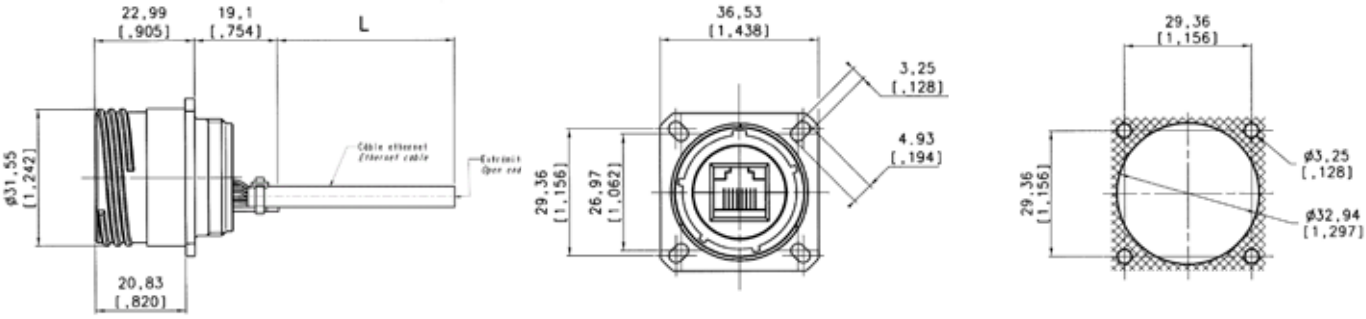
Overall dimension

Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - back termination type 2

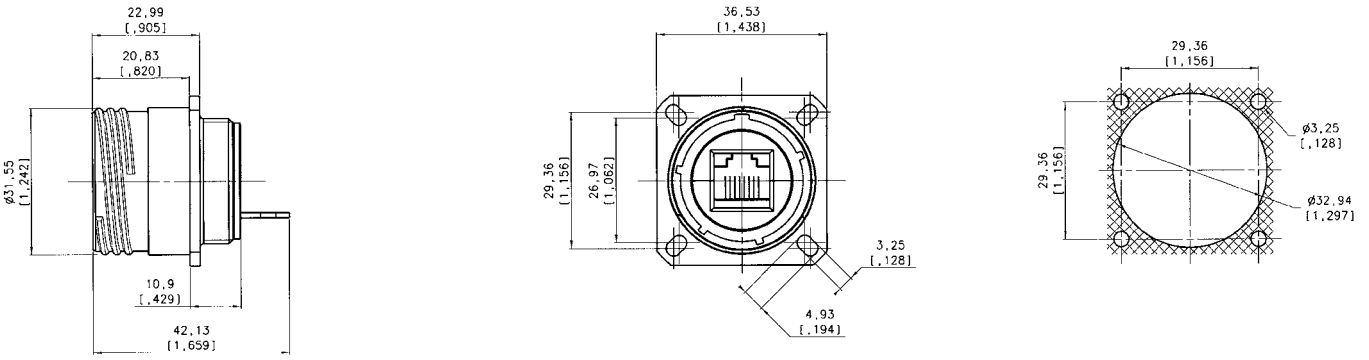
Part number type (Cat.5e) : **RJFTV 2 2 X XX 100BTX**



Part number type (Cat.5e) : **RJFTV 2 2 X XX OPEN**



Part number type (Cat.5e) : **RJFTV 2 2 X 00**

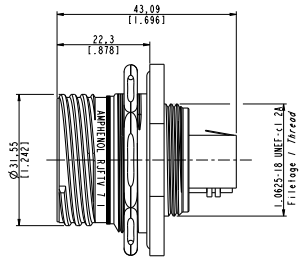


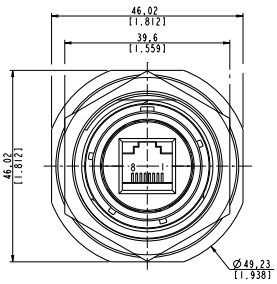
RJFTV™

Overall dimension

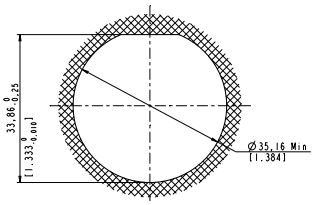
Receptacle - Jam nut receptacle – Hexagonal nut mounting - Shell type 7 – back termination type 1

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

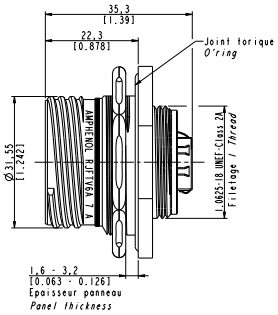


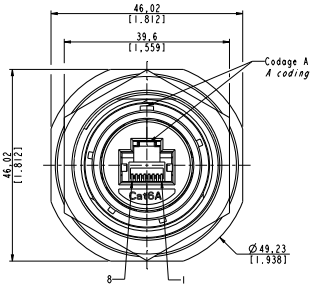


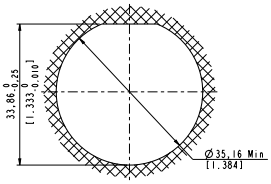
Panel drilling



Part number type (Cat.6A) : **RJFTV 6A 7 X 1 X**

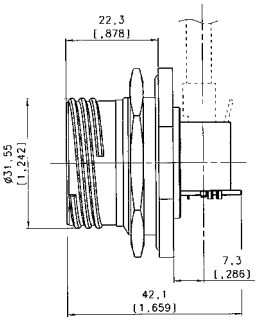


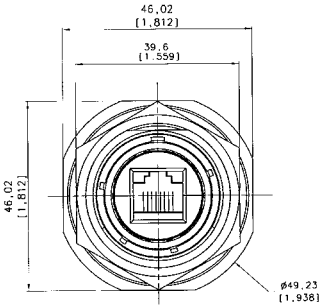




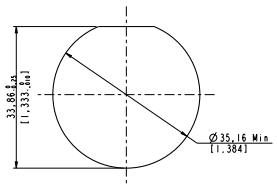
Receptacle - Jam nut receptacle – Hexagonal nut mounting - Shell type 7 – back termination type 1RA

Part number type (Cat.5e) : **RJFTV 7 1RA X**

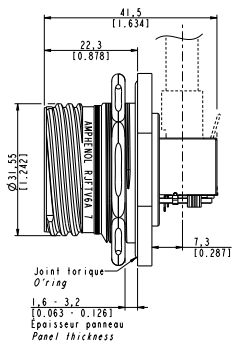


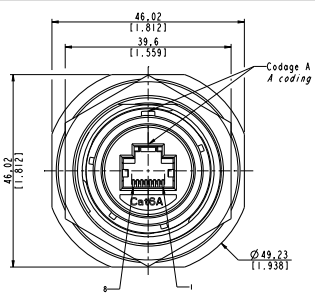


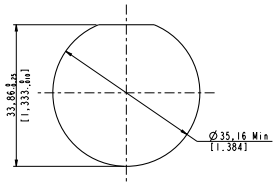
Panel drilling



Part number type (Cat.6A) : **RJFTV 6A 7 X 1RA X**





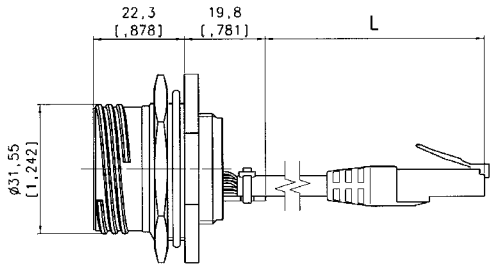


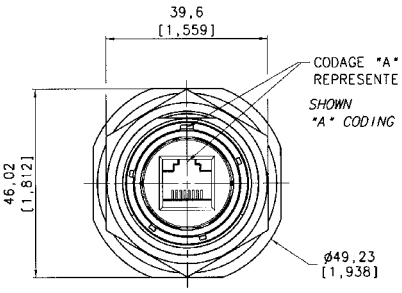
RJFTV™

Overall dimension

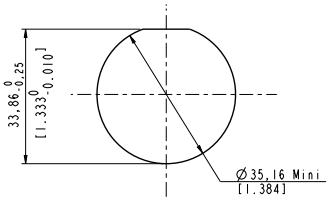
Receptacle - Jam nut receptacle – Hexagonal nut mounting - Shell type 7 – back termination type 2

Part number type (Cat.5e) : **RJFTV 7 2 X XX 100BTX**

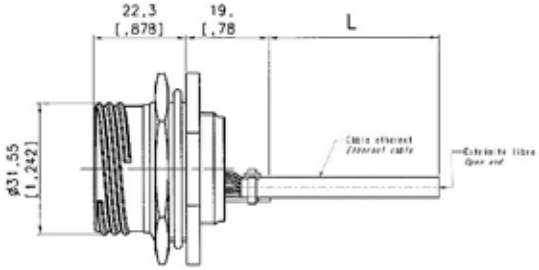


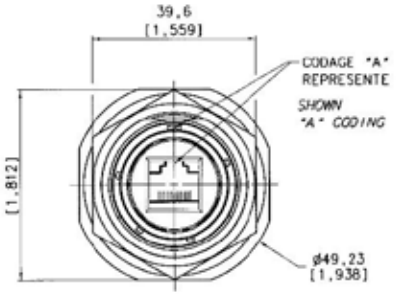


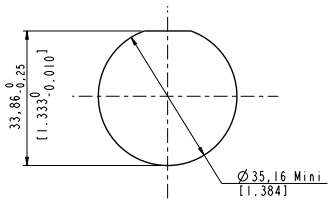
Panel drilling



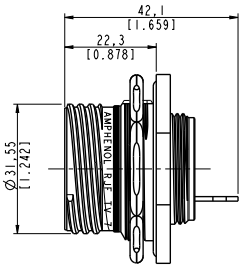
Part number type (Cat.5e) : **RJFTV 7 2 X XX OPEN**

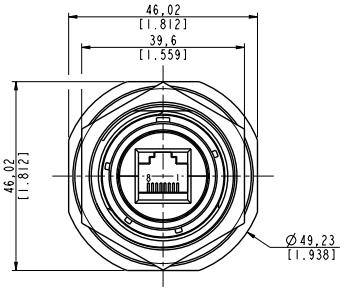


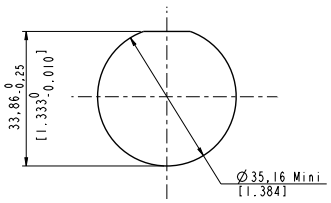




Part number type (Cat.5e) : **RJFTV 7 2 X 00**







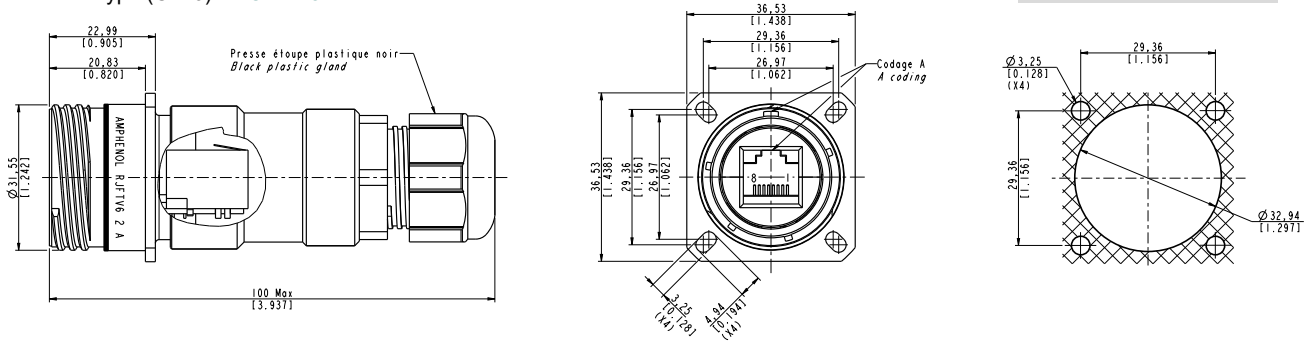
RJFTV™

Overall dimension

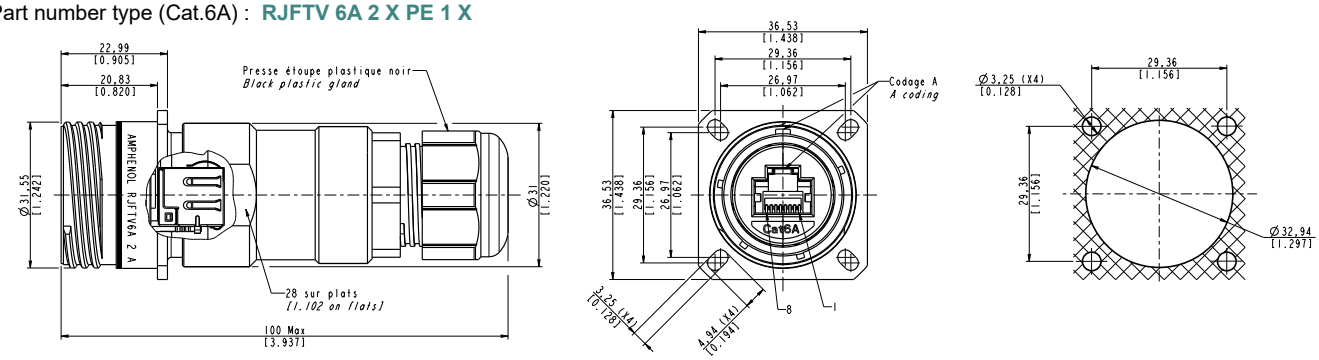
Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Backshell with plastic gland

Part number type (Cat.5e) : **RJFTV 2 PE X**
Part number type (Cat.6) : **RJFTV 6 2 X PE 1 X**

Panel drilling



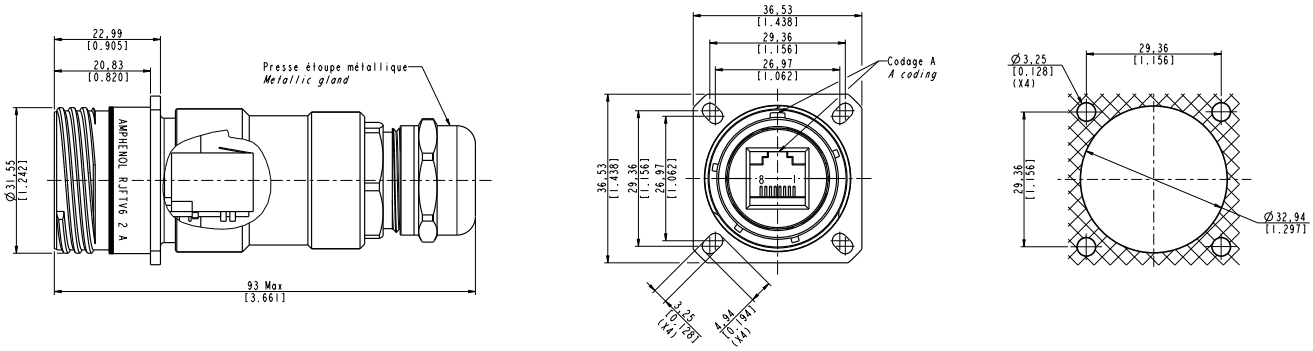
Part number type (Cat.6A) : **RJFTV 6A 2 X PE 1 X**



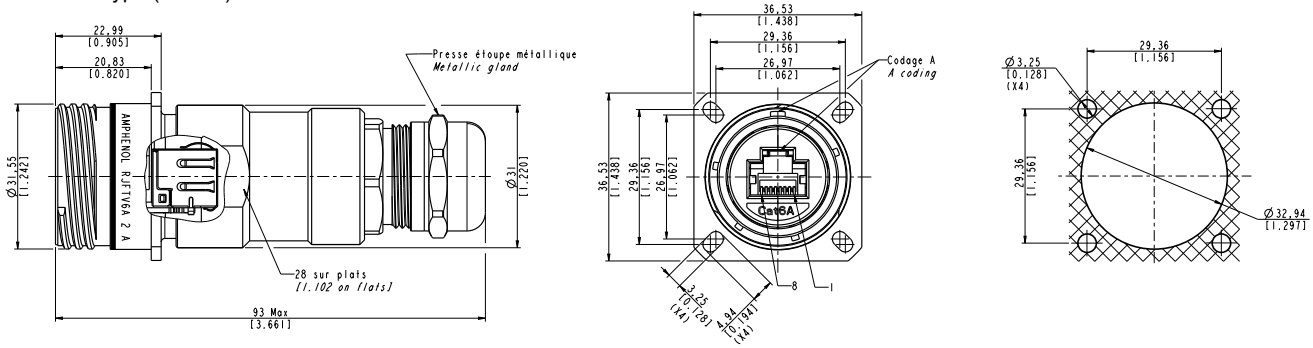
Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Backshell with metal gland

Part number type (Cat.5e) : **RJFTV 2 PEM 1 X**
Part number type (Cat.6): **RJFTV 6 2 X PEM 1 X**

Panel drilling



Part number type (Cat.6A) : **RJFTV 6A 2 X PEM 1 X**



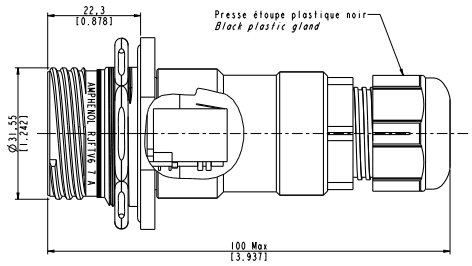
RJFTV™

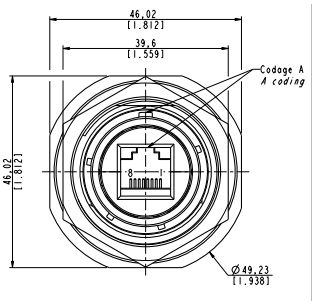
Overall dimension

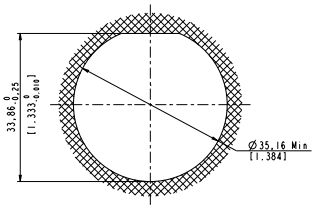
Receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Backshell with plastic gland

Part number type (Cat.5e) : **RJFTV 7 PE X**
Part number type (Cat.6) : **RJFTV 6 7 X PE 1 X**

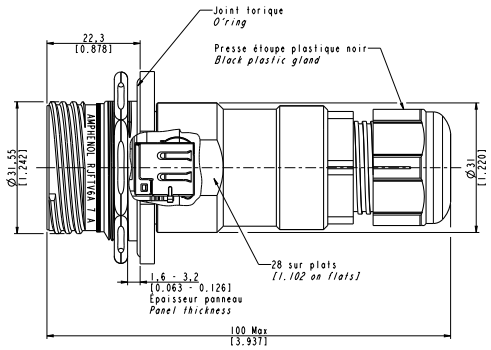
Panel drilling

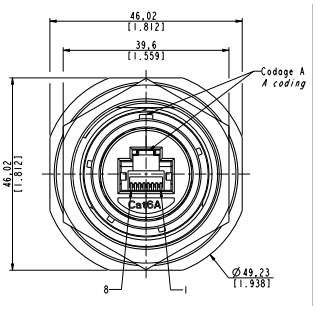


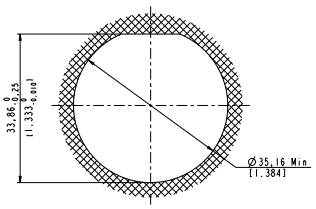




Part number type (Cat.6A) : **RJFTV 6A 7 X PE 1 X**



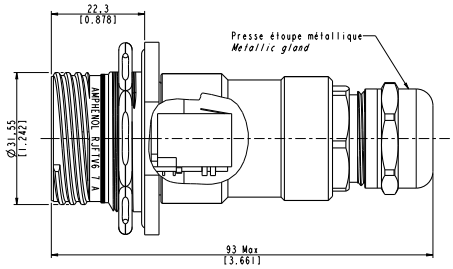


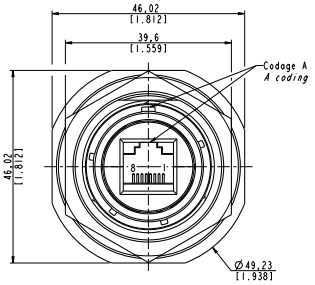


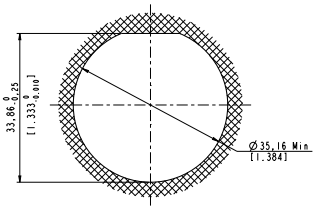
Receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Backshell with metal gland

Part number type (Cat.5e) : **RJFTV 7 PEM 1 X**
Part number type (Cat.6): **RJFTV 6 7 X PEM 1 X**

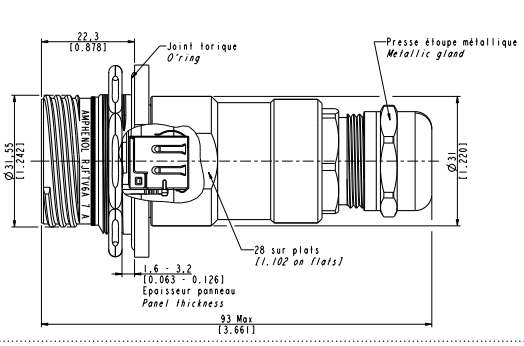
Panel drilling

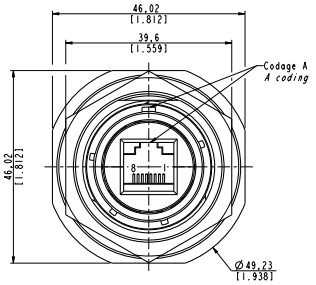


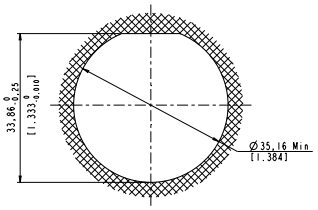




Part number type (Cat.6A) : **RJFTV 6A 7 X PEM 1 X**





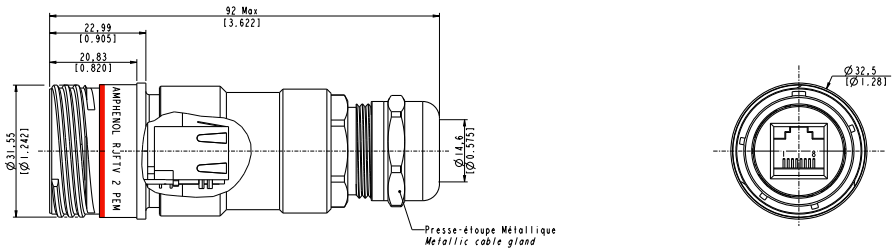


RJFTV™

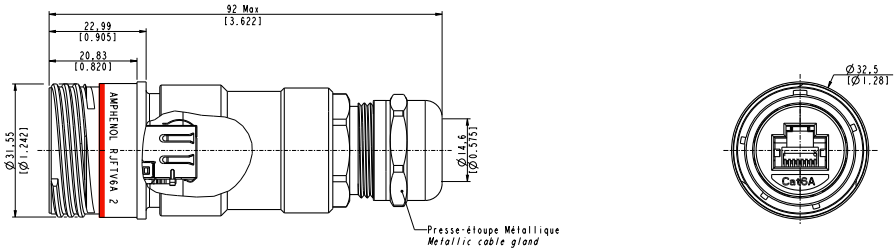
Overall dimension

Receptacle - In line receptacle - Without flange - Metal gland

Part number type (Cat.5e) : **RJFTV 2 PEM WF 1 X**
Part number type (Cat.6) : **RJFTV 6 2 PEM WF 1 X**



Part number type (Cat.6A) : **RJFTV 6A 2 PEM WF 1 X**



RJFTV™ - TRANSVERSALLY SEALED AND HERMETIC RECEPTACLE

Description

The transversally sealed receptacle is in all aspects equivalent to the standard and in addition, is improved with compound at the rear of the receptacle. This will prevent the sealing of the receptacle when unmated with its plug or protective cap.
The hermetic solution, as the transversally sealed one, is compounded at the rear of the receptacle. Helium leakage is less than 1.10-6 cm3 per second [0.1 micron cubit ft per hour] at one bar [15 psi] pressure differential. The test is 100% done on all of these hermetic receptacles.

Main features

MAIN CHARACTERISTICS
- Same as the RJFTV™ 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 RJFTV series.
- Vibrations: the compounded versions of the RJFTV 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

APPLICATIONS
- Battlefield communication systems
- C5ISR
- Data acquisition and transmission in harsh environment
- Optronics
- Navy
- Rail Mass Transit
- Industrial process control
- Robotics
- CNC machines
- Oil & Gas

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

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 : **Please refer to page 114**

RJFTV™ - STAND-OFF RECEPTACLE

Description

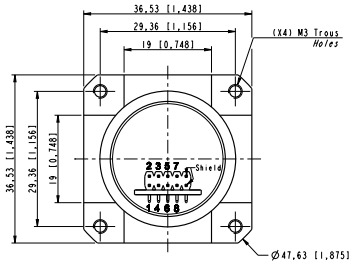
This enhanced design allows you to mount the connector shell directly on PC board. Soldering your contacts directly on the board will help to save you a lot of space inside of your system. As the double-flange of this connector is directly fixed on the board, mechanical stresses are absorbed by the shell and not the contacts. In addition to this benefit, the sealing is improved by the compounded receptacle.

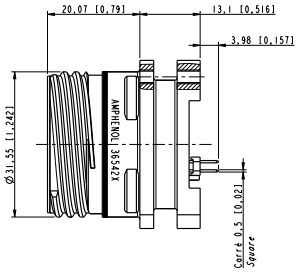
How to order : **Please refer to page 115**

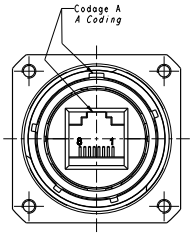
Overall dimension

Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - F459

Part number type (Cat.5e) : **36542X**

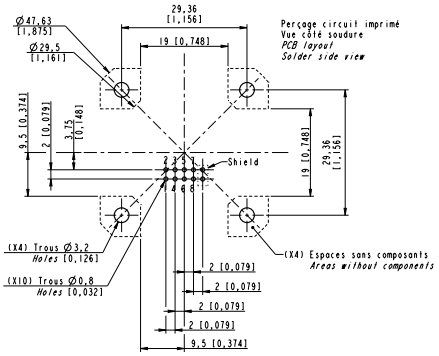


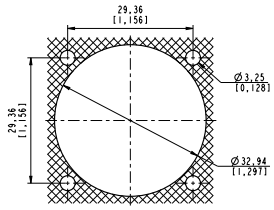




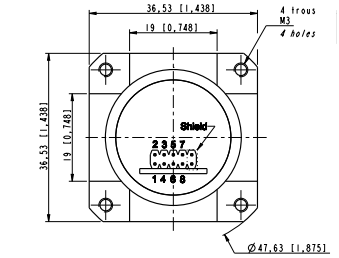
PCB Layout

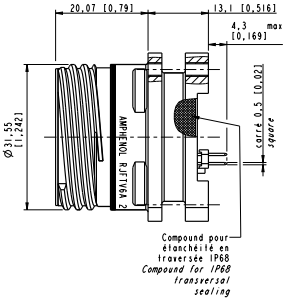
Panel drilling

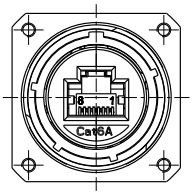


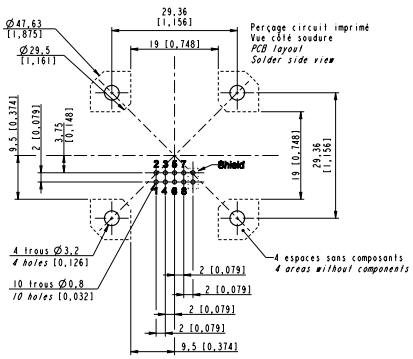


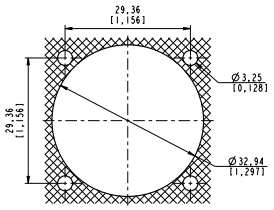
Part number type (Cat.6A) : **RJFTV 6A 2S X 5 X F459**











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

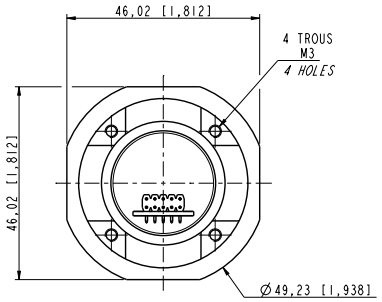
✓ : RoHS compiant

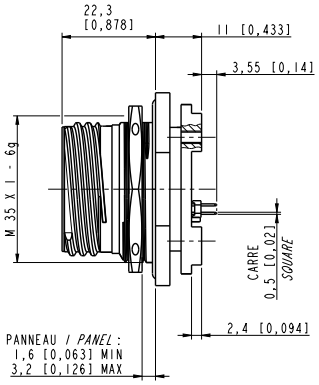
RJFTV™ - STAND-OFF RECEPTACLE

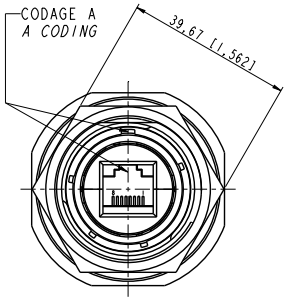
Overall dimension

Receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - F459

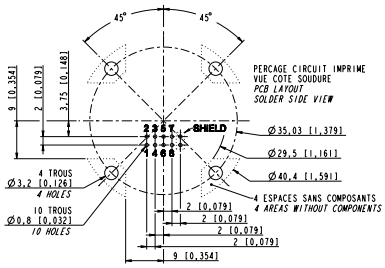
Part number type (Cat.5e) : **36540X**



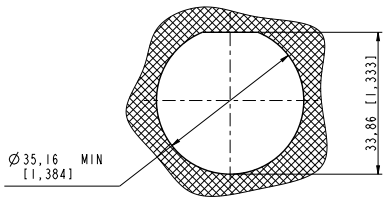




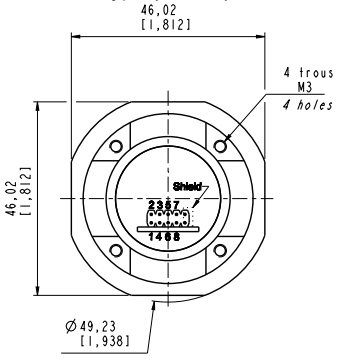
PCB Layout

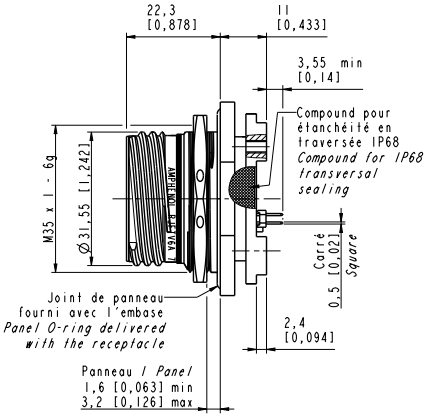


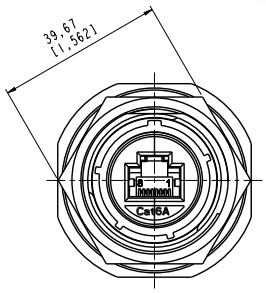
Panel drilling

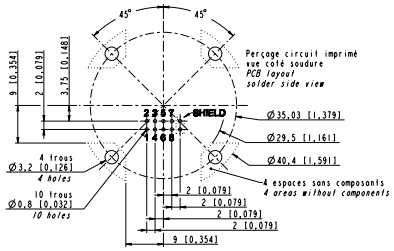


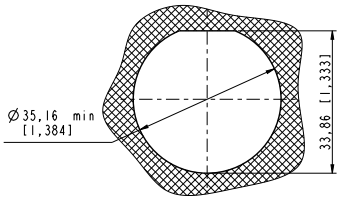
Part number type (Cat.6A) : **RJFTV 6A 7S X 5 X F459**











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

✓ : RoHS compiant

RJFTV™ - REDUCED FLANGE RECEPTACLE

Description

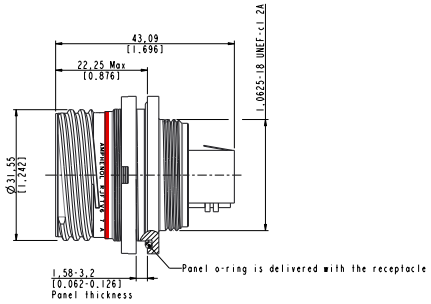
Derived from standard RJFTV™, Reduced Flange RJFTV™ is ideal for applications where small dimensions and lower weight are critical in harsh environments. The reduced flange deviation saves 41% footprint surface reduction and is 15% lighter than standard RJFTV™ receptacle. RJFTV™ Reduced flange receptacle is available in Cat5.e, Cat.6 and Cat6A. Moreover, you have two castle nut options, standard castle nut and safety castle nut that enables you to add a lock wire for anti-rotation of the nut.

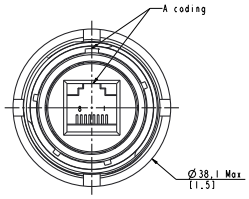
How to order : **Please refer to page 116**

Overall dimension

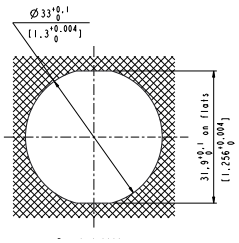
Receptacle - Reduced flange Jam nut receptacle - Castle nut mounting - Shell type 7 - F312 or F311

Part number type (Cat.5e) : **RJFTV 7 1 X F312**
RJFTV 7 1 X F311
Part number type (Cat.6) : **RJFTV 6 7 X 1 X F312**
RJFTV 6 7 X 1 X F311

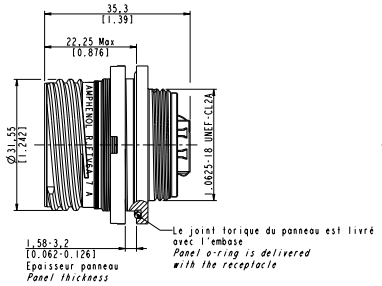


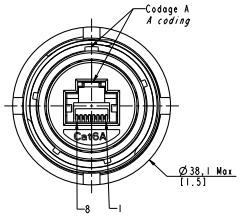


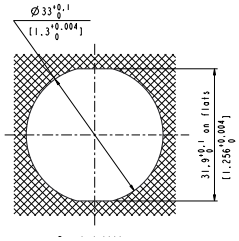
Panel drilling



Part number type (Cat.6A) : **RJFTV 6A 7 X 1 X F312**
RJFTV 6A 7 X 1 X F311







Important note:
- To choose your coding orientation, please refer to “Assembly instructions” page 104

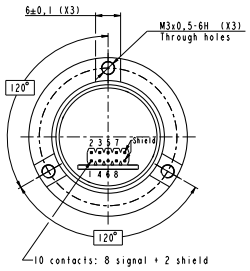
✓ : RoHS compiant

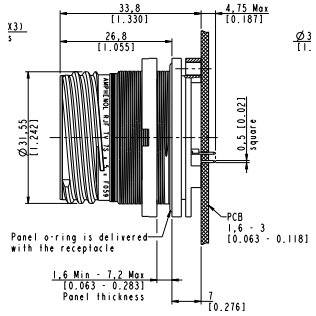
RJFTV™ - REDUCED FLANGE RECEPTACLE

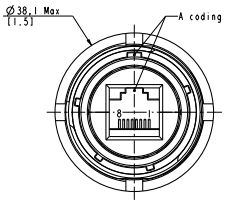
Overall dimension

Receptacle - Reduced flange Jam nut receptacle - Castle nut mounting - Shell type 7 - F059 or F058

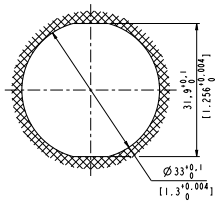
Part number type (Cat.5e) : **RJFTV 7S X 5 X F059**
RJFTV 7S X 5 X F058
Part number type (Cat.6) : **RJFTV 6 7S X 5 X F059**
RJFTV 6 7S X 5 X F058



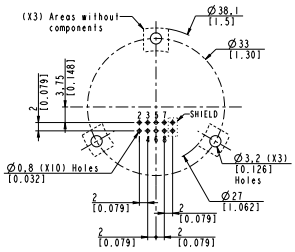




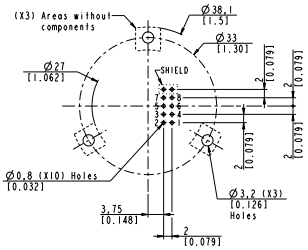
Panel Drilling



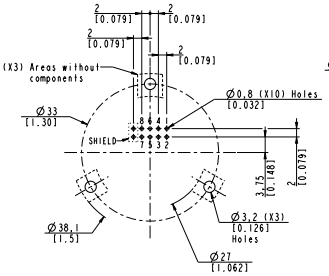
Coding A



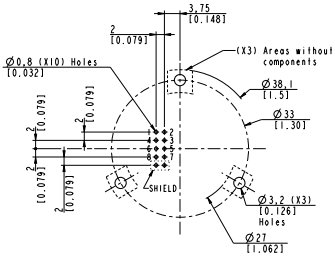
Coding B



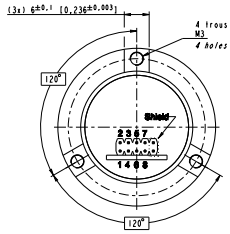
Coding C

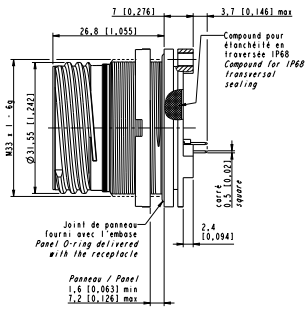


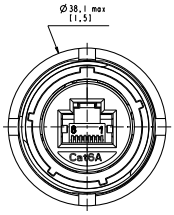
Coding D

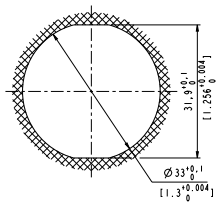


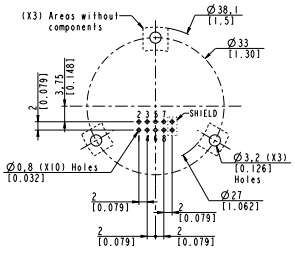
Part number type (Cat.6A) : **RJFTV 6A 7S X 5 X F059**
RJFTV 6A 7S X 5 X F058

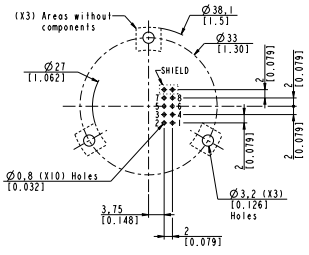


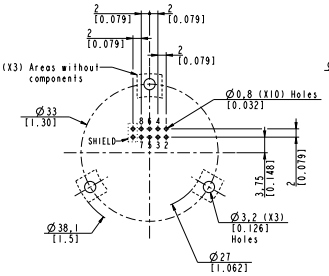


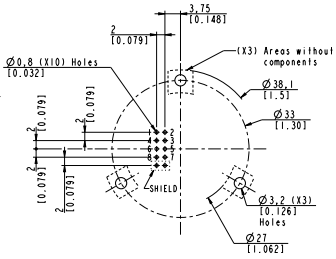












Important note:
- Due to the compound, the coding orientation has to be define in the reference.
- To choose your coding orientation, please refer to “Assembly instructions” page 104

✓ : RoHS compliant

RJFTV™ - THROUGH-BULKHEAD RECEPTACLE

Description

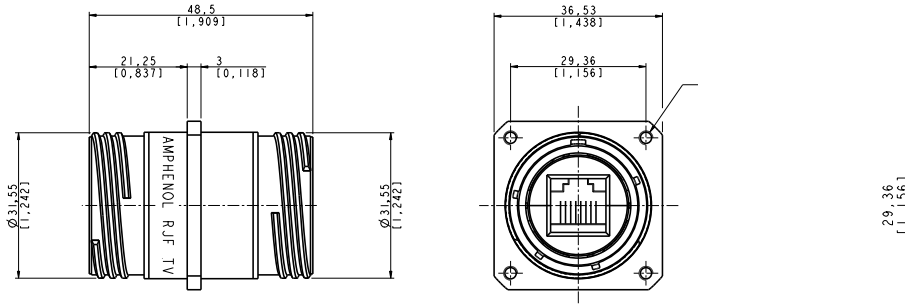
The RJFTV™ Through-bulkhead is a double-ended receptacle that enables you to connect two RJFTV™ plug on both side of your panel. In your system, it provides you the best protection and remains very easy to assemble.

How to order : **Please refer to page 117**

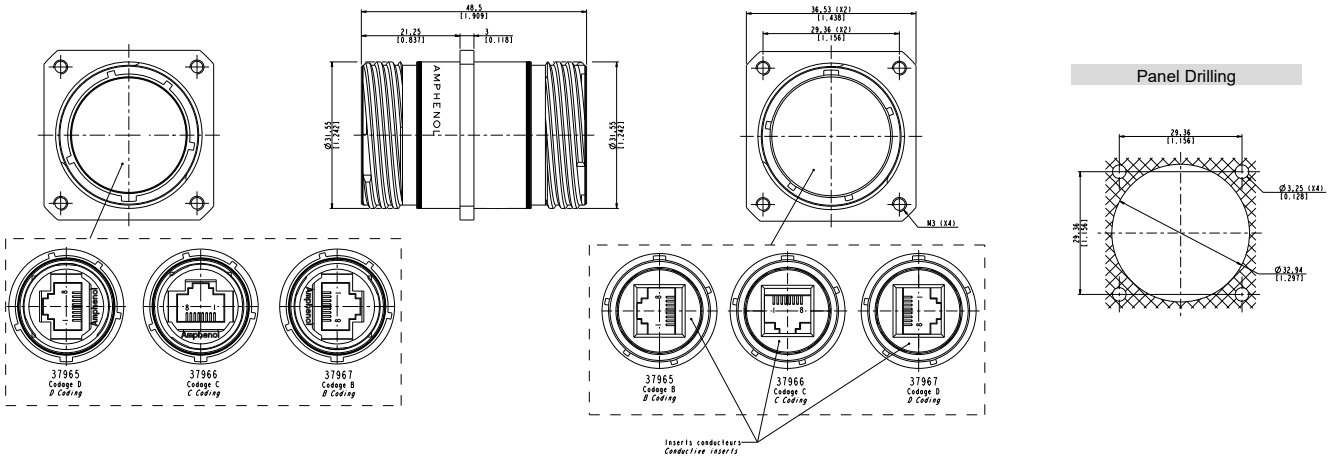
Overall dimension

Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Trough-bulkhead

Part number type (Cat.5e) : **RJFTV B 2 X ISO XXX**
Part number type (Cat.6): **RJFTV 6 B 2 X ISO XXX**



Receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Trough-bulkhead - Other coding possibility



Data transmission	Part number	Metallized insert	Coding	Plating
Cat.6	37965	Yes	B - D	Nickel ✓
	37966	Yes	C - C	
	37967	Yes	D - B	

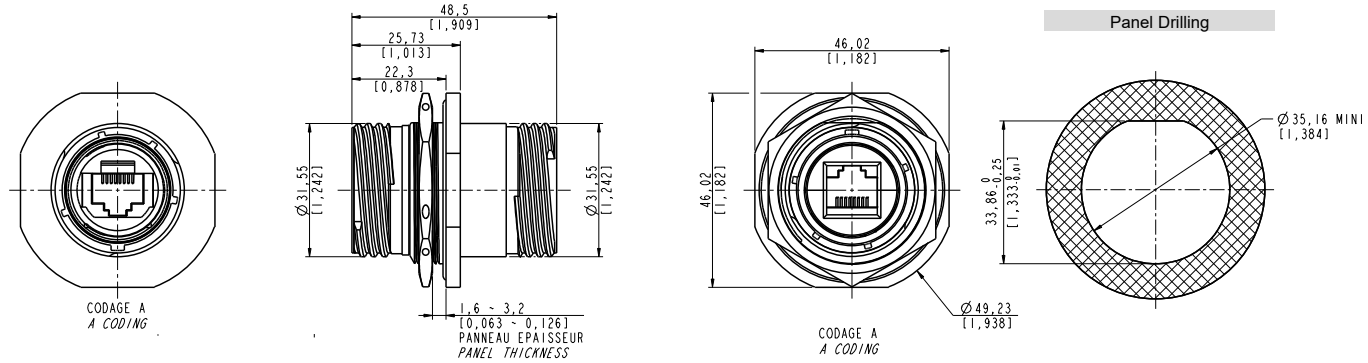
✓ : RoHS compiant

RJFTV™ - THROUGH-BULKHEAD RECEPTACLE

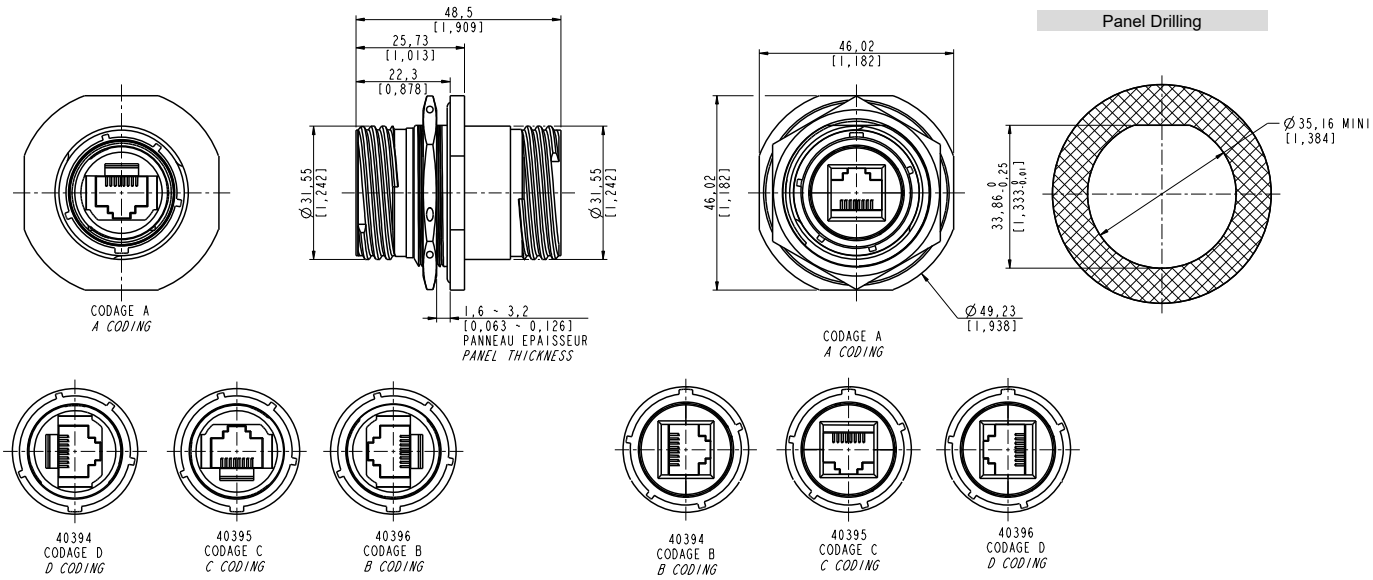
Overall dimension

Receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Trough-bulkhead

Part number type (Cat.5e) : **RJFTV B 7 X ISO XXX**
Part number type (Cat.6): **RJFTV 6 B 7 X ISO XXX**



Receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Trough-bulkhead - Other coding possibility



Data transmission	Part number	Metallized insert	Coding	Plating
Cat.5e	40394	Yes	B - D	Nickel ✓
	40395	Yes	C - C	
	40396	Yes	D - B	

Data transmission	Part number	Metallized insert	Coding	Plating
Cat.6	38294	Yes	B - D	Nickel ✓
	38295	Yes	C - C	
	38296	Yes	D - B	

✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

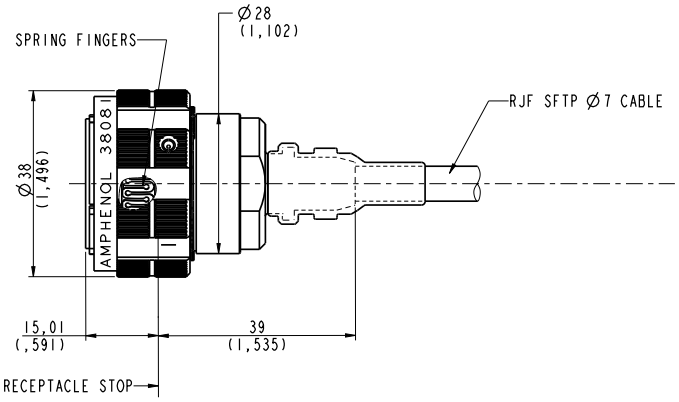
Description

These RJFTV™ kits include all components necessary to build up a totally 360° EMI shield solution. Receptacle kits are mainly composed of an 360° backshell and the RJFTV™ PCB receptacle with 8 tinned holes for solder termination. With those receptacle kits provided without cable, you will have to solder your cable on the PCB. The plug kit is composed with the 360° backshell where you will have to include your own RJ45 cordset. You can find below, wires and shielding wire cabling specification.
We recommend to use our reinforced Ethernet cable (page 75). If you prefer to use your own cable, please check with us compatibility with our kit.
If you would like to receive a complete 360° EMI shield receptacle already mounted with a define length of cable, please consult us.

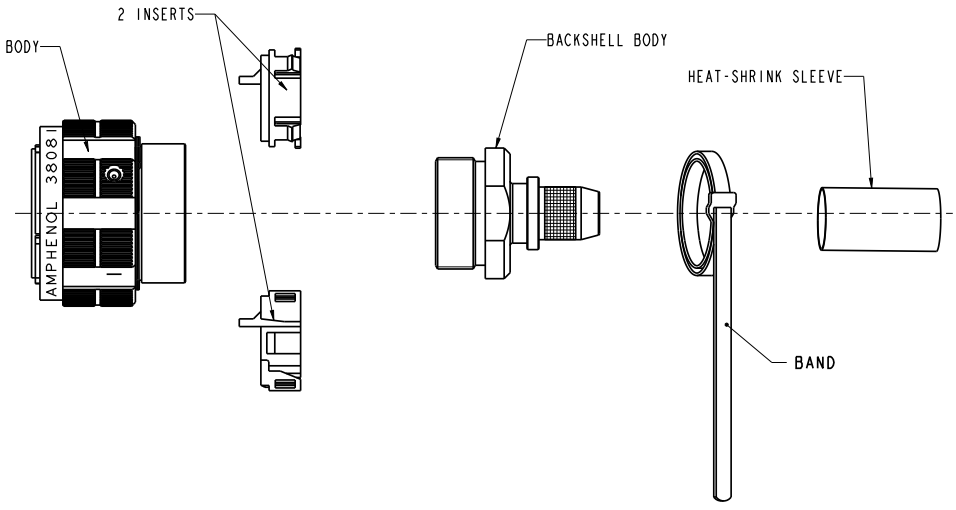
Overall dimension

Plug - Shell type 6 - Straight backshell - Metal gland

Assembled view



Components



P/N	Plating
KIT38081NI	Nickel ✓
KIT38081	Olive drab cadmium
KIT38081ZN	Black zinc nickel ✓
KIT38081BZ	Marine bronze ✓

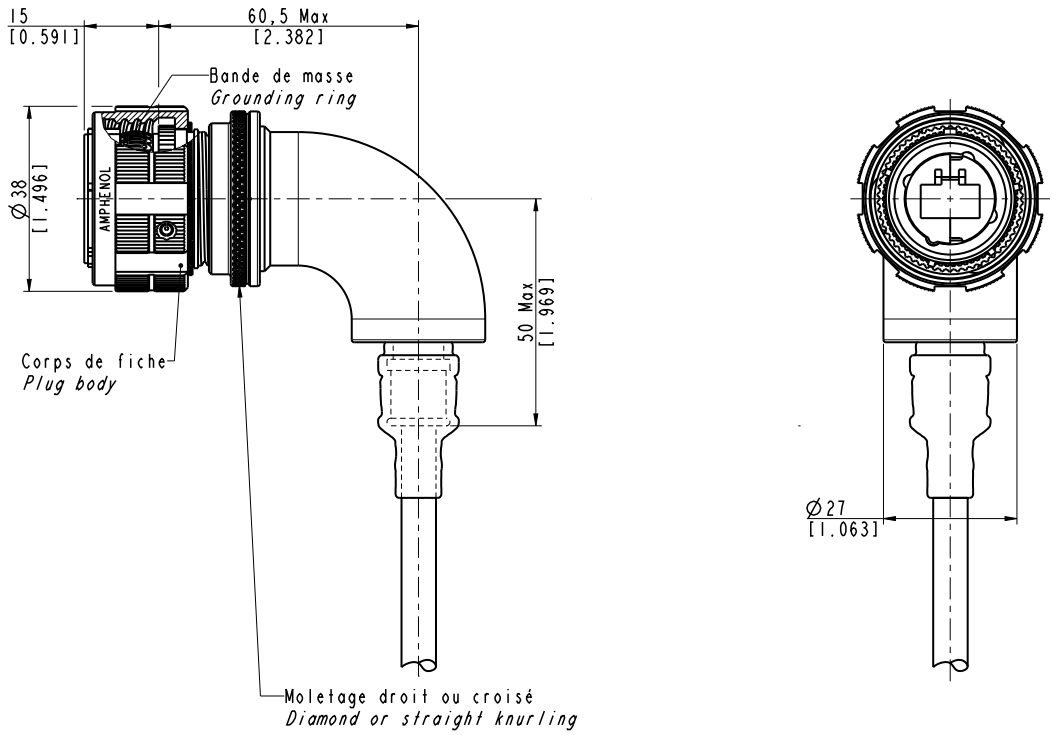
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

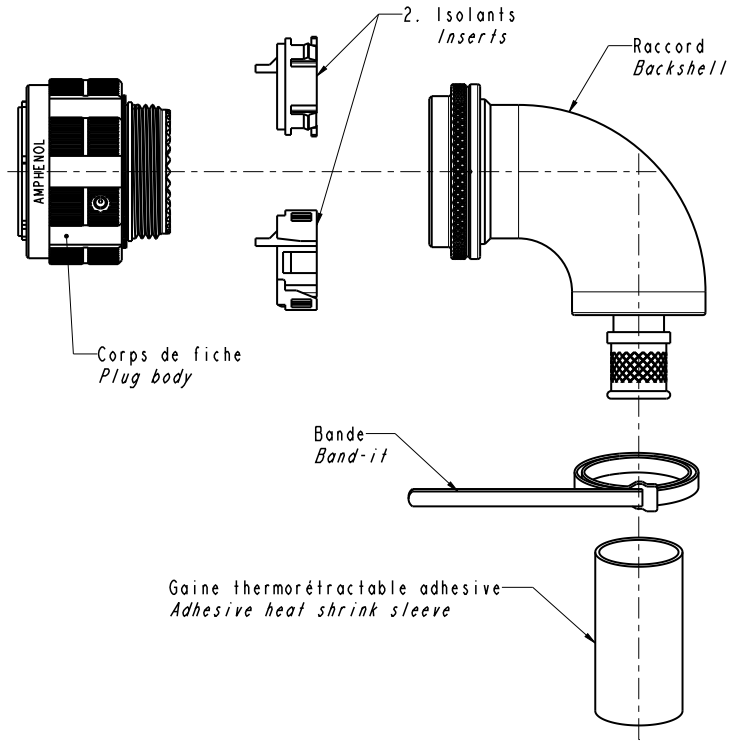
Overall dimension

Plug - Shell type 6 - Right angle backshell - Metal gland

Assembled view



Components



P/N	Plating
KIT40792NI	Nickel ✓
KIT40792	Olive drab cadmium
KIT40792ZN	Black zinc nickel ✓

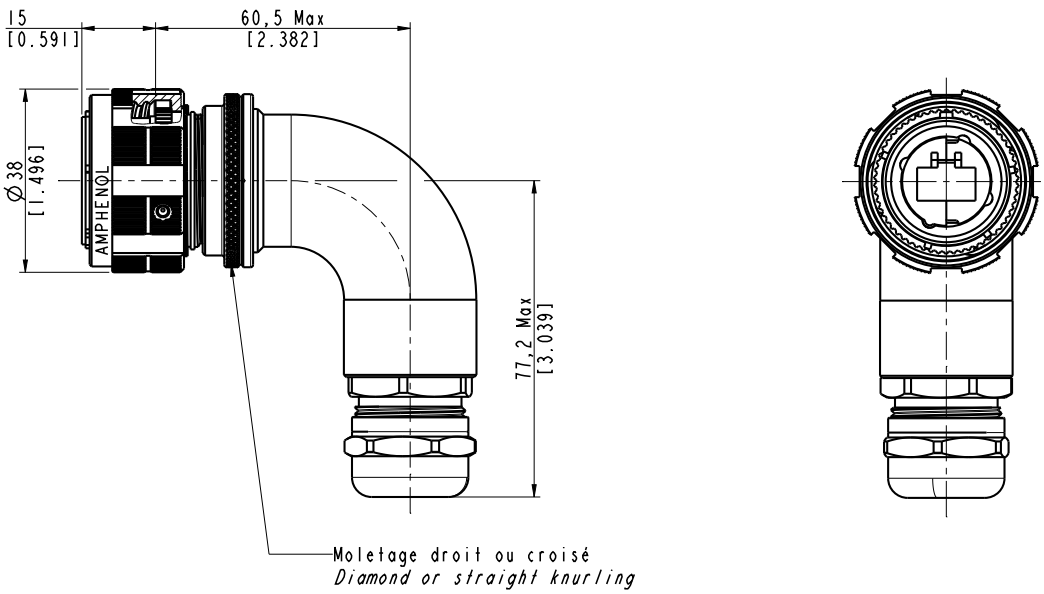
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

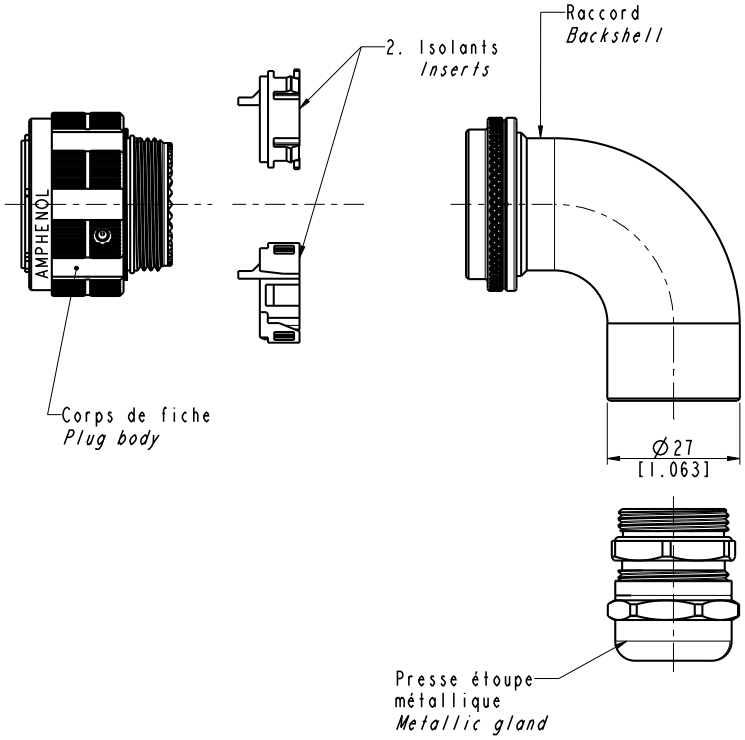
Overall dimension

Plug - Right angle backshell - Metal gland

Assembled view



Components



Part number	Plating
KIT40036NI	Nickel ✓
KIT40036G	Olive drab cadmium
KIT40036ZN	Black Zinc Nickel ✓

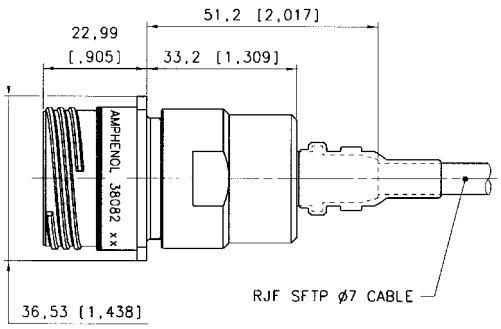
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

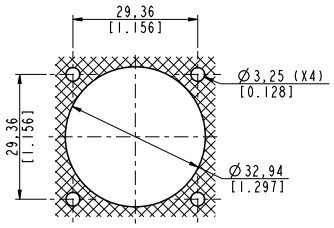
Overall dimension

Square flange receptacle - 4 mounting holes - Shell type 2 - Straight backshell

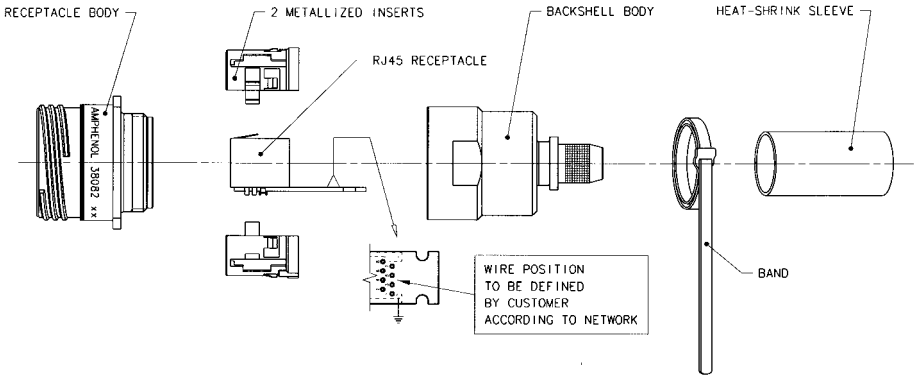
Assembled view



Panel Drilling



Components



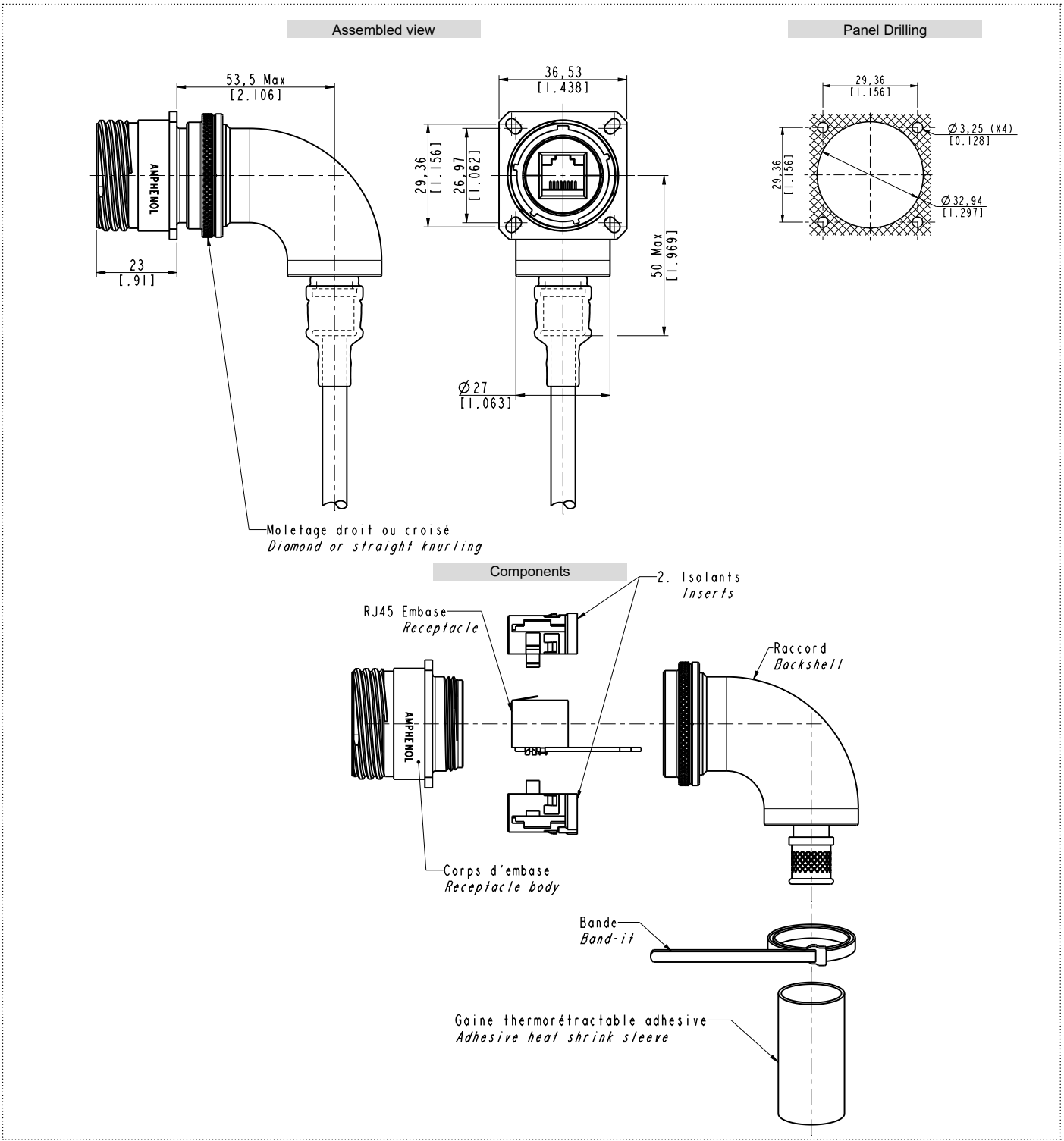
Data transmission	Part number	Plating
Cat.5e	KIT38082NI	Nickel ✓
	KIT38082	Olive drab cadmium
	KIT38082ZN	Black zinc nickel ✓
	KIT38082BZ	Marine bronze ✓

✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

Overall dimension

Square flange receptacle - 4 mounting holes - Shell type 2 - Right angle backshell



Data transmission	Part number	Plating
Cat.5e	KIT40791NI	Nickel ✓
	KIT40791	Olive drab cadmium
	KIT40791ZN	Black zinc nickel ✓

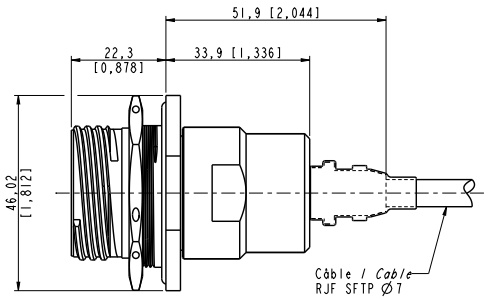
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

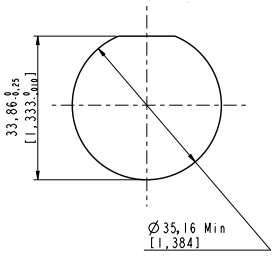
Overall dimension

Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Straight backshell

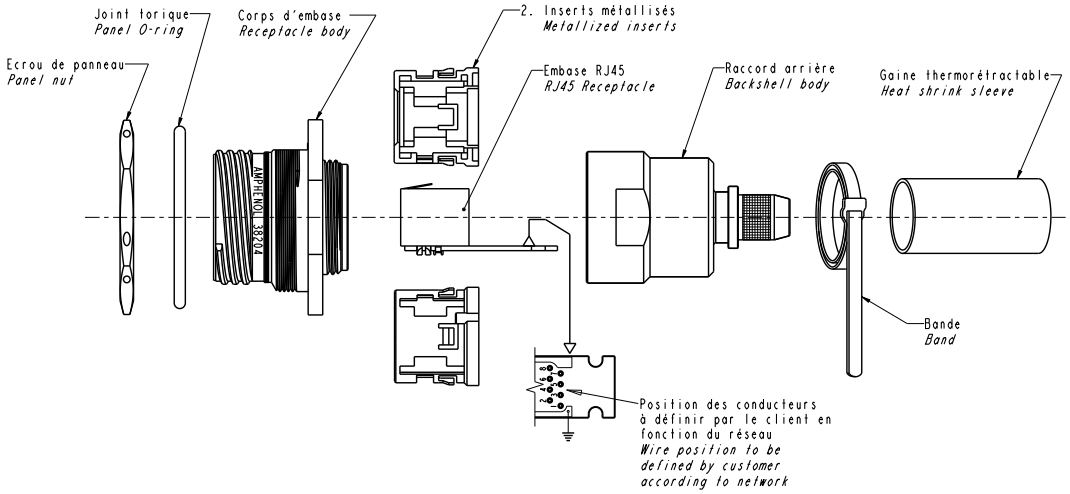
Assembled view



Panel Drilling



Components



Data transmission	Part number	Plating
Cat.5e	KIT38204NI	Nickel ✓
	KIT38204	Olive drab cadmium
	KIT38204ZN	Black zinc nickel ✓
	KIT38204BZ	Marine bronze ✓

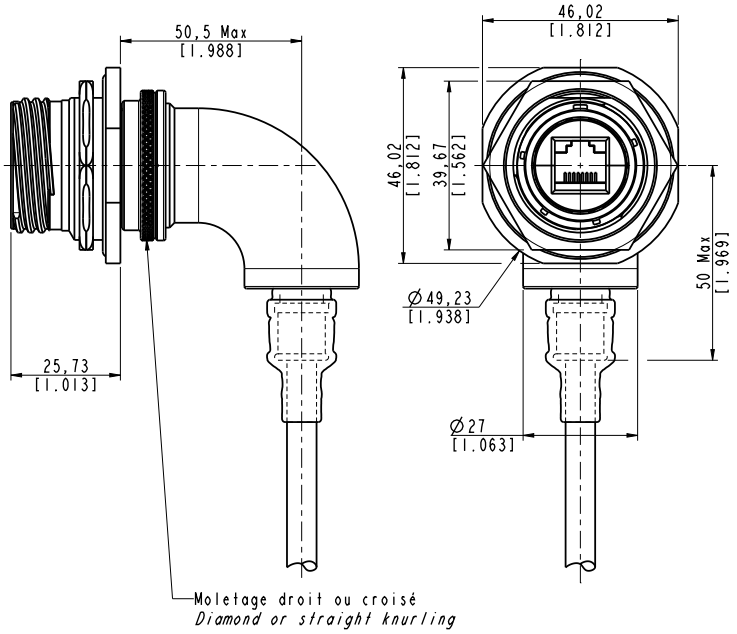
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE WITH 360° EMI BACKSHELL

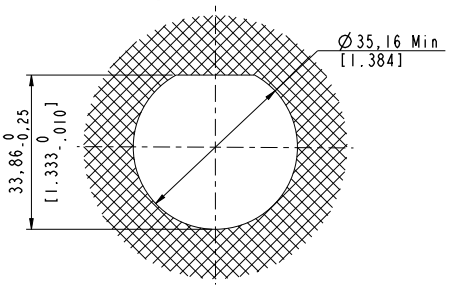
Overall dimension

Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Right angle backshell

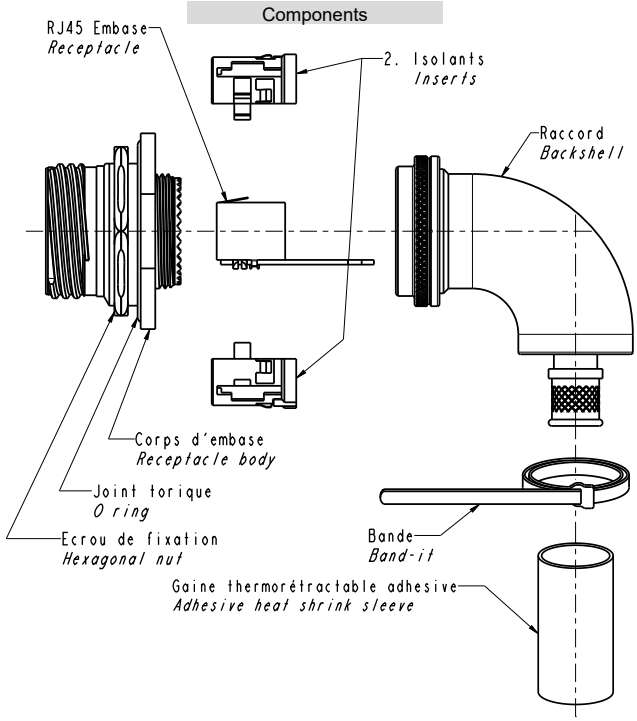
Assembled view



Panel Drilling



Components



Data transmission	Part number	Plating
Cat.5e	KIT40771NI	Nickel ✓
	KIT40771	Olive drab cadmium
	KIT40771ZN	Black zinc nickel ✓

✓ : RoHS compliant

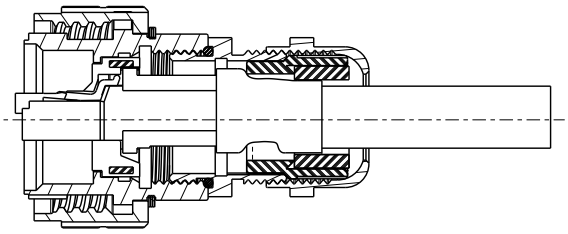
RJFTV™ - PLUG AND RECEPTACLE FOR BIG INSULATION WIRE UP TO 1.6 MM

Description

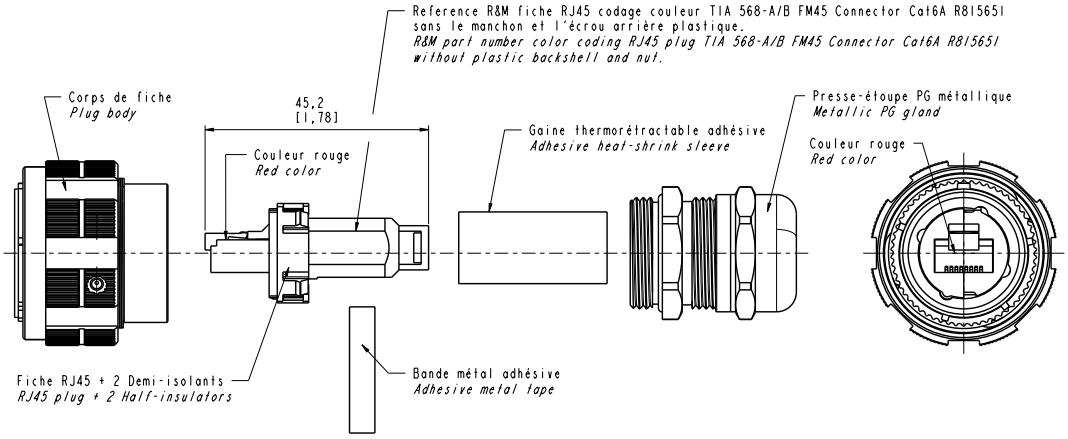
This RJFTV kit is include all by necessary components to assemble a RJFTV plug, particulary if you forsee to use a large ethernet cable. The kits are composed by a specific RJ45 Cat6A plug that should be crimped to the cable. The adhesive metal tape and the heat shrink boot provide a proper finish and a electrical insulation. Finally, the RJStop that included in this kit, is perfectly adapted to the RJ45 Cat6A plug.

Plug - Shell type 6 - Metal gland

Assembled view



Components view



Data transmission	Part number	Plating
Cat.6A	35660	Nickel ✓
	35660G	Olive drab cadmium
	35660ZN	Black zinc nickel ✓
	35661	Marine bronze ✓

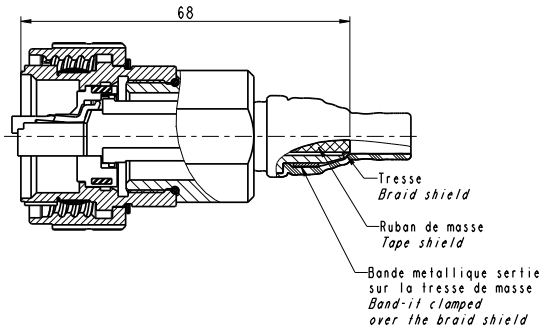
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE FOR BIG INSULATION WIRE UP TO 1.6 MM

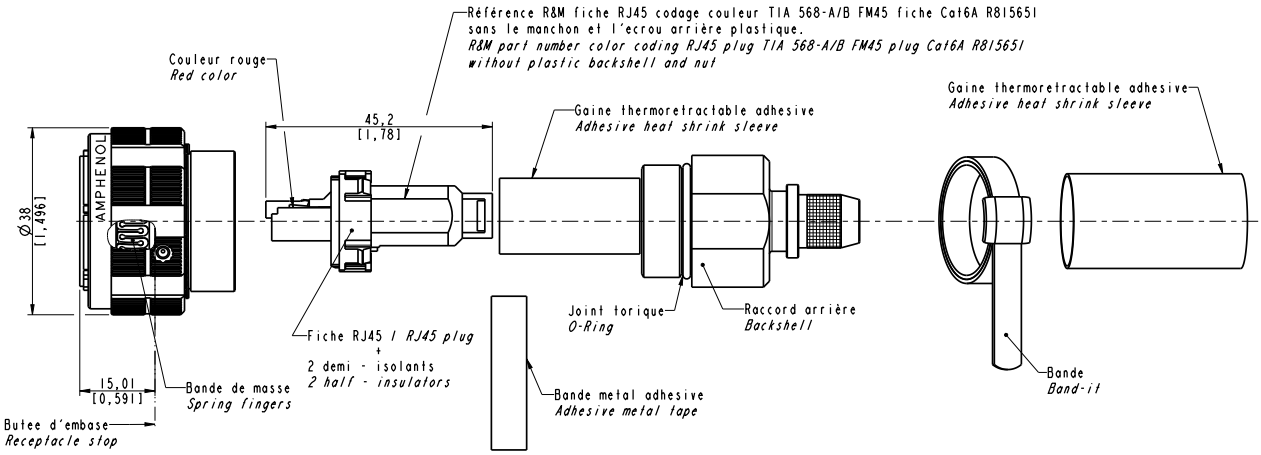
Overall dimension

Plug - Shell type 6

Assembled view



Components view



Data transmission	Part number	Plating
Cat.6A	35498N	Nickel ✓
	35498	Olive drab cadmium
	35498ZN	Black zinc nickel ✓
	35498BZ	Marine bronze ✓

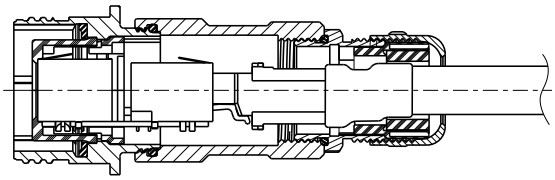
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE FOR BIG INSULATION WIRE UP TO 1.6 MM

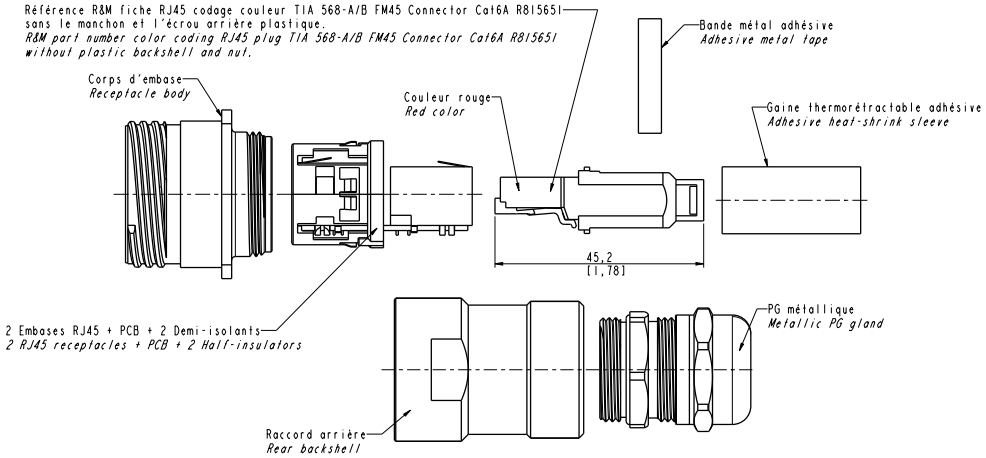
Overall dimension

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

Assembled view



Components view



Data transmission	Part number	Plating
Cat.6A	35688	Nickel ✓
	35688G	Olive drab cadmium
	35688ZN	Black zinc nickel ✓
	35689	Marine bronze ✓

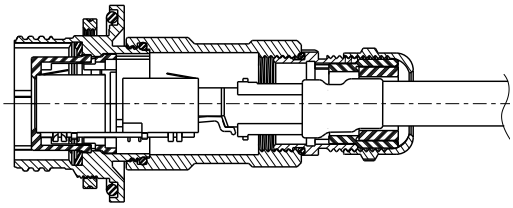
✓ : RoHS compliant

RJFTV™ - PLUG AND RECEPTACLE FOR BIG INSULATION WIRE UP TO 1.6 MM

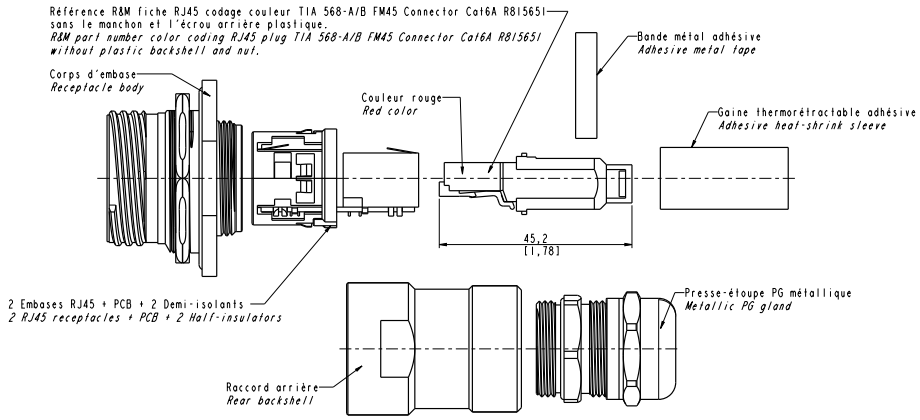
Overall dimension

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

Assembled view



Components view



Data transmission	Part number	Plating
Cat.6A	35657	Nickel ✓
	35657G	Olive drab cadmium
	35657ZN	Black Zinc Nickel ✓
	35658	Marine Bronze ✓

✓ : RoHS compliant

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.

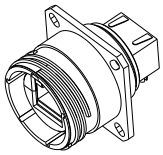
MAIN CHARACTERISTICS
- Ex marking : II3G ExnAIIT6 X
- Operating temperature range : -40°C / +60°C
- Voltage : 60 Veff max
- Power : 20 W max
- Outside cable diameter : 6mm to 12mm
- Sealing : IP68

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

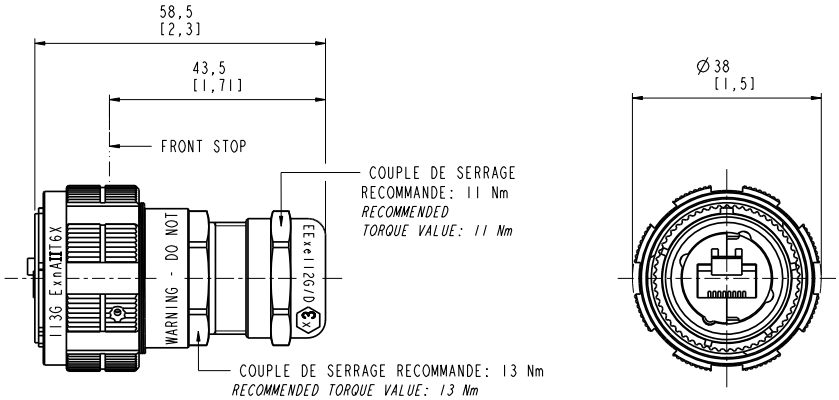
Type 1:
Female RJ45



Overall dimension

Atex plug - Shell type 6

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

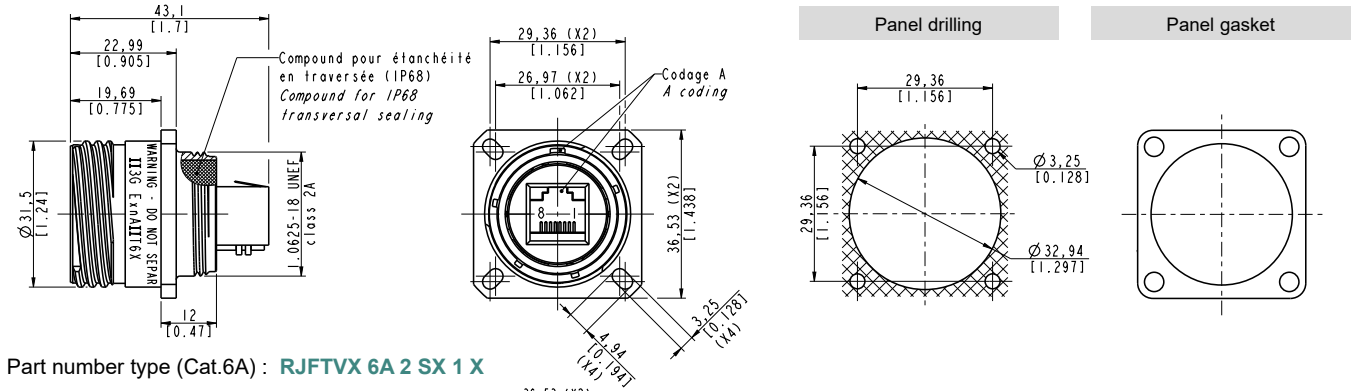


RJFTV™ - ATEX ZONE 2

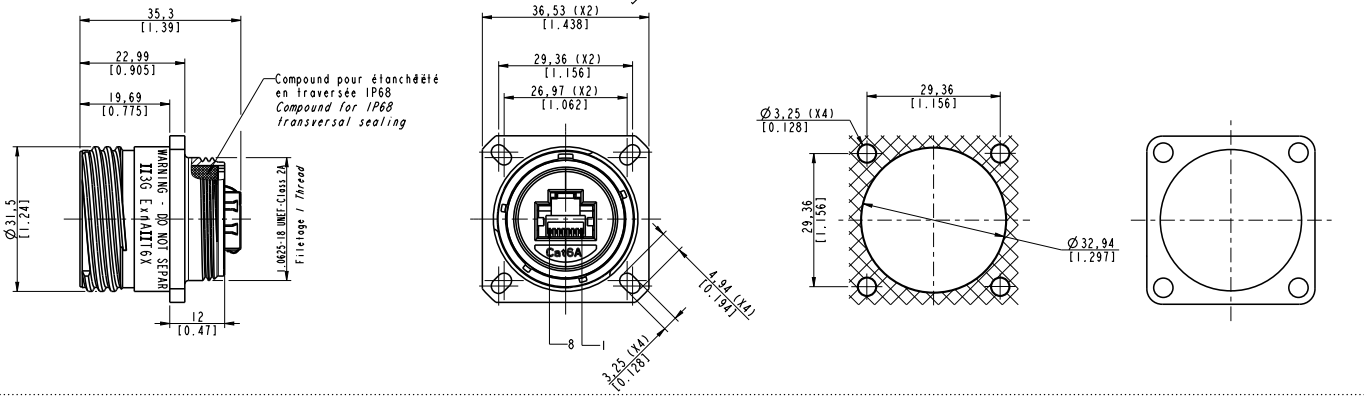
Overall dimension

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**

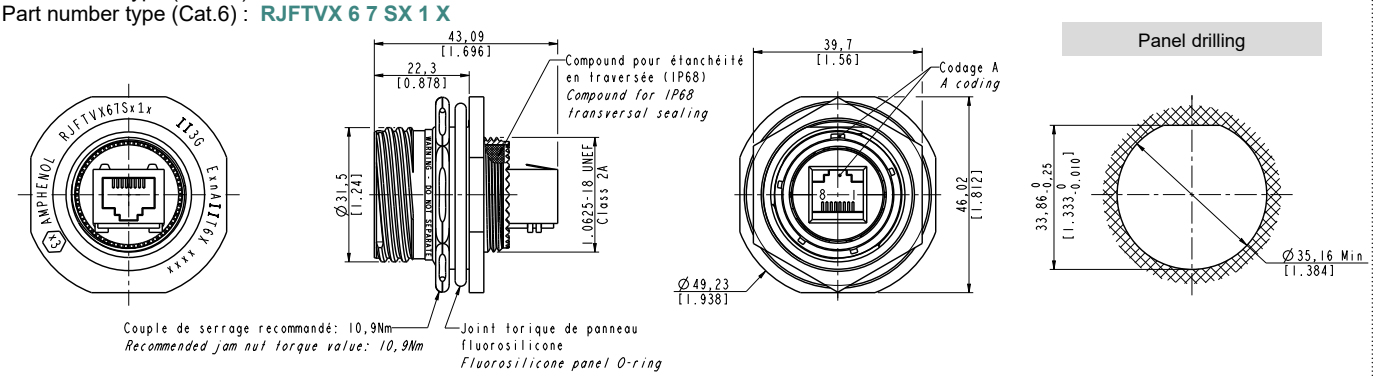


Part number type (Cat.6A) : **RJFTVX 6A 2 SX 1 X**

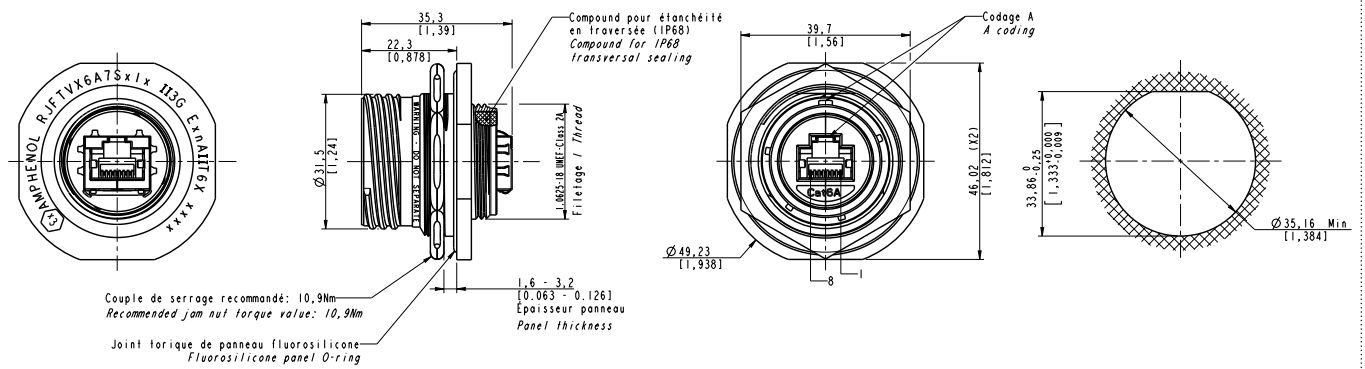


Atex receptacle - Jam nut receptacle - Hexagonal nut mounting - Shell type 7 - Back termination type 1

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



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

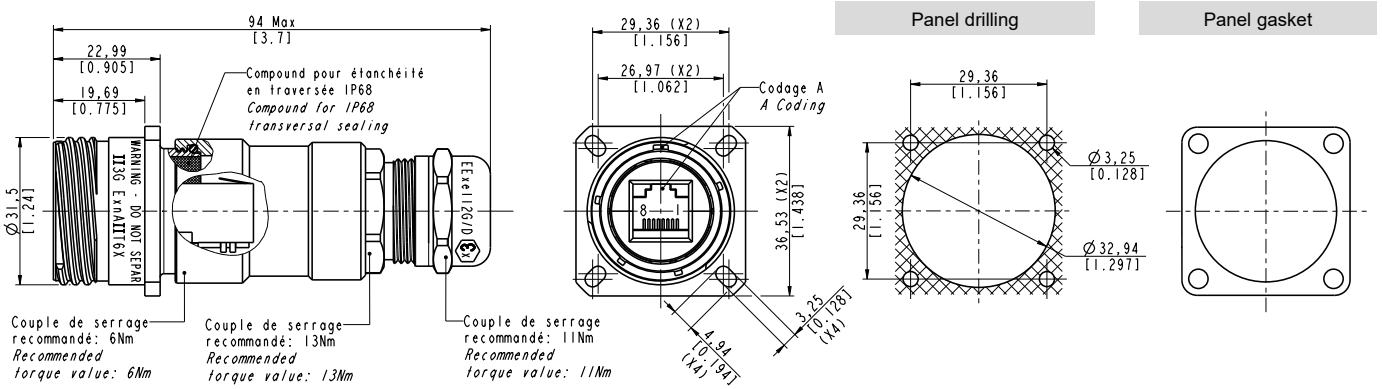


RJFTV™ - ATEX ZONE 2

Overall dimension

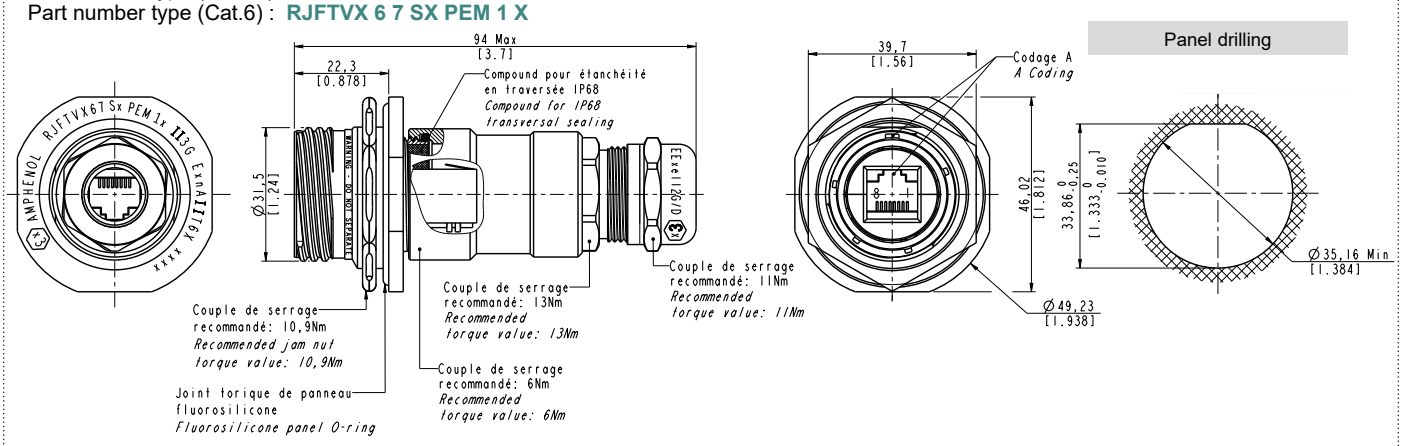
Atex receptacle - Square flange receptacle - 4 mounting holes - Shell type 2 - Backshell with metal gland

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**



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

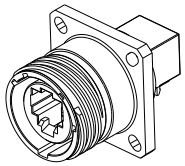
MAIN CHARACTERISTICS

- Ex marking : II3G ExnAIIT6 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

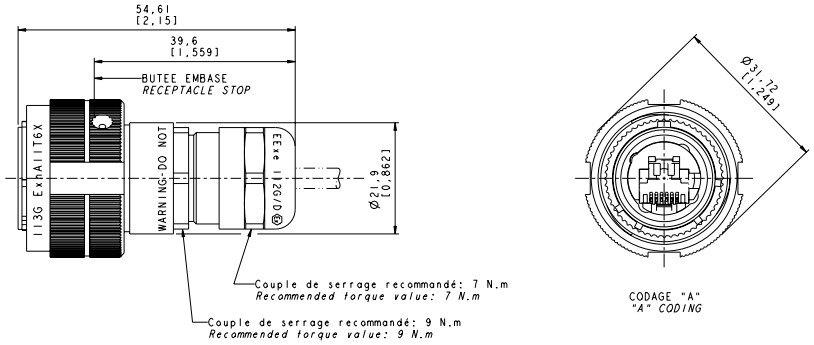
Type 1:
Female RJ11



Overall dimension

Atex plug - Shell type 6

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



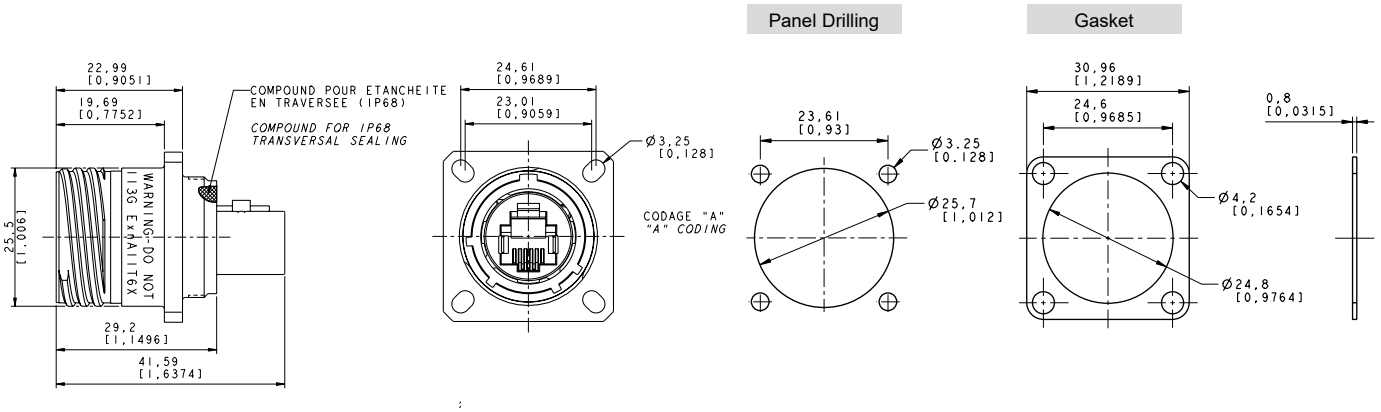
✓ : RoHS compliant

RJ11FTV - ATEX ZONE 2

Overall dimension

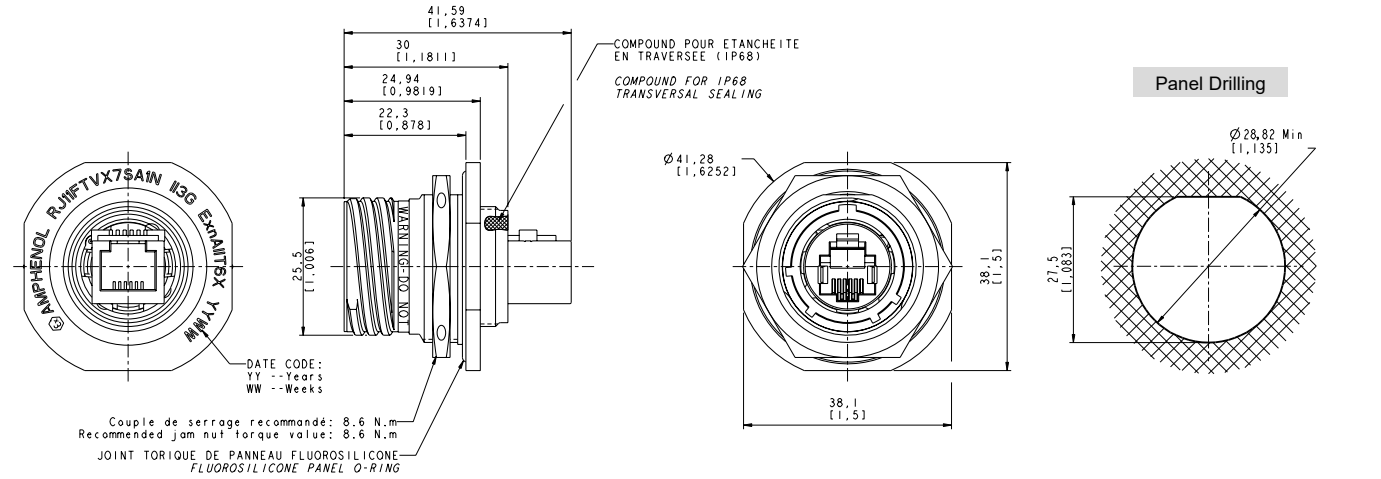
Atex square flange receptacle - 4 mounting holes - Shell type 2

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.