

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

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
- Optronics
- Navy
- Rail Mass Transit
- Industrial process control
- Robotics
- CNC machines
- Oil & Gas

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

Metal range

Composite range

Cables and cordsets

Adaptors and access points

Accessories

Assembly instructions

How to order

HOW TO ORDER - RJFTV™ TRANSVERSALLY SEALED AND HERMETIC

	1.	2.	3.	4.	5.	6.	7.	8.
	Series	Shell type	Sealing type	Coding	Back termination	Shell material and finish	Cordset length (back termination type 2 only)	Cordset end (back termination type 2 only)
	RJFTV	2	5	A	1RA	G		
Metal range								
Composite range								
Cables and cordsets								
Adaptors and access points								
Accessories								
Assembly instructions								
How to order								
	1. Series				5. Back termination			
	RJFTV	Cat.5e Ethernet connector			1	Female RJ45		
	RJFTV6	Cat.6 Ethernet connector (back termination 1 only)			1RA	Right angle female RJ45		
	RJFTV6A	Cat.6A Ethernet connector (back termination 1 and 1RA only)			2	RJ45 cordset or PCB		
	2. Shell type				6. Shell material and finish			
	2	Square flange receptacle			G		Olive Drab Cadmium plating	
	7	Jam nut receptacle			N	Aluminium shell	Nickel plating ✓	
					ZN		Black Zinc Nickel plating ✓	
					BZ	Marine bronze shell ✓		
	3. Sealing type				7. Cordset length (back termination type 2 only)			
	S	Transversally sealed receptacle			00	PCB with 8 tinned holes for cable soldering		
	H	Hermetic receptacle			03	0,3m [11.81 inches]		
					05	0,5m [19.68 inches]		
					10	1m [39.37 inches]		
					15	1,5m [59.05 inches]		
	4. Coding				8. Cordset end (back termination type 2 only)			
	A	Coding A			100BTX	RJ45 plug at the end		
	B	Coding B			OPEN	Open RJ cable without plug at the end		
	C	Coding C						
	D	Coding D						

Examples :

Part number	Description
RJFTV7HA2G03100BTX	RJFTV Cat.5e, hermetic jam nut receptacle, coding A, 0,3m cordset with RJ45 plug at the end, olive drab cadmium plating
RJFTV67HA1N	RJFTV Cat.6, hermetic jam nut receptacle, coding A, female RJ45 back termination, nickel plating
RJFTV6A7SA1RAG	RJFTV Cat.6A, transversally sealed jam nut receptacle, coding A, right angle female RJ45 back termination, olive drab cadmium plating