



Volition™ RJ45 Giga Jack



Volition™ RJ45 Jack Giga

Part of our Volition™ Network Solutions, the RJ45 Giga jack is our Category 5e UL approved component for Class D / Category 5e and Class E / Category 6 link performance (ISO/IEC 11801, EN 50173 and ANSI/TIA/EIA 568 B.2).

The Giga Jack is a core product in our system solution, which includes a comprehensive range of patch panels, sockets and faceplates, Category 5e and Category 6 patch cords and cables.

The RJ45 Giga Jack range is available in three different formats:

- UTP
- FTP with drain wire
- STP 360° braid or foil connection

A unique design:

Features

- Tool-less jack:
- Re-usable:
- Shallow Depth, Cable Entry from top or bottom:
- UTP, FTP and STP 360° shielded versions have the same "one-click" tool-less design:
- Accepts both solid conductors from AWG 26 to 22 and stranded conductors:

Benefits

- Easy and quick to install
- Fast reliable termination in record time: all 8 copper conductors are effortlessly wired in a single operation.
- Quality of connection by design: not dependant on tool condition or operator skills, just listen for the click.
- Consistent results: the length of untwisted pairs and the length between the end of the conductor and the IDC contacts is always kept to a minimum, by design.
- If a wiring mistake is made there is no need to use a new jack.
- No time wasted waiting for another delivery
- Easier cable management
- More space and flexibility to ensure the cable minimum bend radius is never compromised
- Allows a wide range of cable routing options
- Can be used with low profile trunking and boxes
- Solutions for all levels of EMC protection using the same accessories means less training.
- Compatible with all cables on the market and enables 'jack to plug' cables to be manufactured using stranded conductors (for use in open office architectures)

Specifications

Features

- Class E / Category 6 link performance
- ISO 8877 compliant
- Single forked contacts
- Conductor diameter: 0,50 mm < 0 < 0,65 solid copper, 7 x 0.15 to 0.20 mm stranded cable
- Sheath diameter: 1.6 mm max

Technical characteristics

- Lead-through resistance < 20 mΩ
- Insulation resistance < 10 MΩ

RJ45 Hardware test result

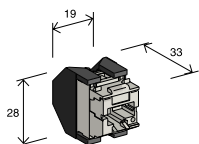
Frequency	100 MHz	200 MHz	250 MHz
Attenuation	<0.2 dB	<0.2 dB	0.3 dB
Return Loss	24 dB	18.5 dB	16 dB
Next pair to pair	49 dB	40 dB	36 dB

Permanent Link Class E UTP, FTP and STP Test Result

	Attenuation	Next	Elfex	Return Loss
Value	28 dB	39.9 dB	26 dB	26 dB
Margin	3.6 dB	4.9 dB	8 dB	6.6 dB
Frequency	247 MHz	241 MHz	247 MHz	4.8 MHz

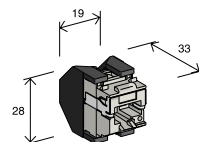
Ordering Information

Ref.-No.



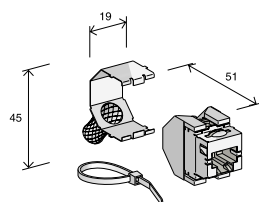
Volition™ RJ45 Giga Jack, Cat.5e, UTP, light grey
Item/unit: 8
8 contacts

P28770AB



Volition™ RJ45 Giga Jack, Cat.5e, FTP, light grey
8 contacts
Ninth point for grounding continuity
Item/unit:1

P28771AB



Volition™ RJ45 Giga Jack, Cat.5e, STP, light grey and metallic shield
8 contacts
Metallic nose and tinned bronze cover shielded
By a reversible metal cover
Supplied with a fixing collar
Item/unit: 8

P28772AB

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