



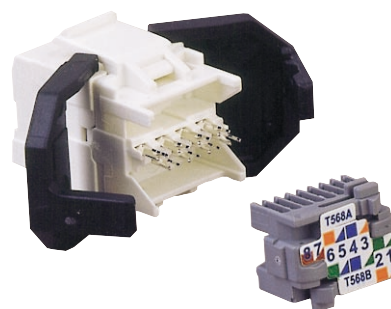
Volition™

RJ45 K5e Jacks

UTP

Part of our copper enterprise portfolio, the new K5e range is our ultimate **Cat 5e hardware component (latest edition of ISO/IEC 11801 and ANSI/TIA/EIA-568-B.2-1)**, with keystone mounting.

The K5e jack is a core product in our system solution, which includes a comprehensive range of keystone patch panels, sockets and faceplates, Cat 5e patch cords and cables. The K5e jack offers the best margin over Class D / Cat 5e link standards.



Highlights

A unique design :

Tool-less jack :

- Easy and quick to install
- Fast reliable connection 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 are always kept to a minimum, by design

Re-usable :

- If a wiring mistake is made there is no need to use a new jack
- no time wasted waiting for another delivery

Shallow Depth, Cable Entry from top or bottom :

- 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

Keystone Mounting :

- Compatibility between Volition copper and fiber jacks and many other accessories on the market using the standard keystone mounting

Accepts both solid conductors from AWG 26 to 22 and stranded conductors :

- 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)

Integral shutter :

- Increased dust protection, especially during installation or in a dirty environment
- No additional shuttering required on faceplates
- Higher port density
- Allows direct mounting into floor boxes
- Protects jacks in the patch panel



Technical Data

Features

- Cat 5e hardware component
- Keystone mounting
- ISO 8877 compliant
- Integral shutter
- Single forked contacts
- Conductor diameter : 0,50 mm to 0,65 mm solid copper, 7x0,15 to 0,20 mm stranded cable
- Sheath diameter : 1,6 mm max

Technical characteristics

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

RJ-45 Category 5e Hardware test result (Typical values)

Frequency	100 MHz
Attenuation	< 0.2 dB
Return Loss	24 dB
Next pair to pair	49 dB

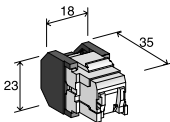
Permanent Link Cat 5e / Class D test result (Typical values)

	Attenuation	NEXT	ELFEXT	Return Loss
Value	17.9 dB	52.6 dB	35.4 dB	25.2 dB
Margin	3.1 dB	7.9 dB	8.6 dB	6.4 dB
Frequency	99.4 MHz	17.4 MHz	39.2 MHz	21.2 MHz

Type

Ref.

3M™ Volition™ • RJ45 K5e Jack • Cat 5e, UTP



8 contacts
Item/unit: 1

VOL-OCK5E-U

User shall ensure before using our product that it is suitable for the intended use. All questions of liability relating to our products are governed by 3M terms of sale subject where applicable to the prevailing law.

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