

## 3M™ Volition™ RJ45 K5e Jacks

Part of the 3M™ Volition™ Networks Solutions, the new K5e range is our ultimate Category 5e hardware component (ANSI/TIA / EIA 568 and ISO 11801 and EN 50173), 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, Category 5e patch cords and cables. The K5e Jack offers the best margin over Class D / Category 5e link standards

The RJ45 K5e Jack is available in three different formats:

- UTP
- FTP
- STP 360° braid or foil connection

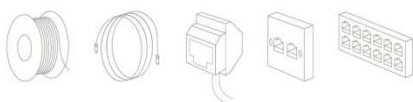
### Features

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

### Benefits

- Easy and quick to install
- Fast reliable connection in record time: 8 copper conductor wired in a single connection
- Quality of connection by design: not dependant on tool condition or operator skills
- Consistent results
- Easier cable management
- No need to use a new jack if a wiring mistake is made
- More space and flexibility to ensure the cable minimum bend radius is never compromised
- Compatibility between Volition copper and fibre jacks and many other accessories on the market using the standard keystone mounting
- Compatible with all cables on the market and enables 'jack to plug' cables to be manufactured using stranded conductors
- Increased dust protection, especially during installation
- No additional shuttering required on faceplates
- Higher port density
- Allows direct mounting into floor boxes
- Integral shutter protects jack in the patch panel

Technology built for business



# Specification

## Features

- Cat 5e hardware component
- Keystone mounting
- IEC 60603-7-2 compliant
- Integral Shutters
- Single forked contacts
- Conductor diameter: 1,6 mm max

## Technical characteristics

Lead-through resistance	17 mΩ < 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 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

# Ordering Information

## Ref. No.

**Volition™ RJ45 K5e Jack, Category 5e, UTP, white**

**VOL-OCK5E-U**

8 contacts

Item/unit: 1

UTP jacks are also available in blue, green, red, yellow, black, orange and almond

**Volition™ RJ45 K5e Jack, Category 5e,FTP, white**

**VOL-OCK5E-F**

8 contacts and a ninth point to ensure the grounding continuity

Item/unit: 1

**Volition™ RJ45 K5e Jack, Category 5e,FTP, white**

**VOL-OCK5E-S**

8 contacts, metallic nose and tinned bronze cover shielded by Reversible metal cover. Supplied with a fixing collar continuity

Item/unit:1



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