

3M Telecommunications

Solutions for Networks



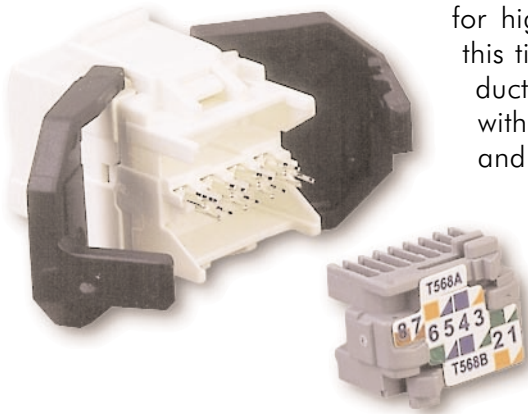
Volition™ Cabling Systems



Volition™ Cabling Systems



At 3M we've given over 40 years of serious thought to networks and how to make them better. With Volition™ Cabling Systems, 3M now offers complete solutions for copper, hybrid or fibre optic networks, ensuring a clear path for broadband migration. Volition Cabling System is the most comprehensive structured cabling system on the market today.



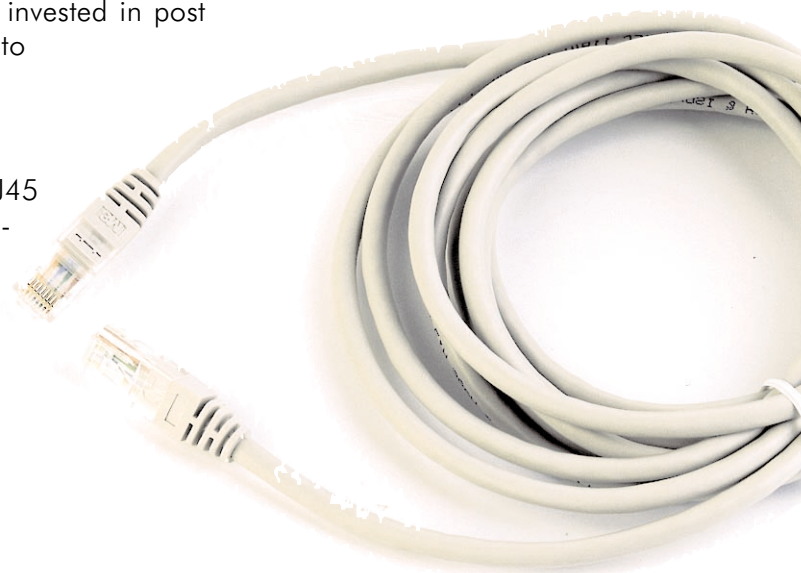
Over the last decade, the growth in information technology and the need for high performance communications has been exponential. During this time, 3M Telecommunications has continuously upgraded its product line and taken into account customers' differing requirements with a choice of performance levels that provides unrivalled flexibility and reliability for every type of network demand.

The Category 5e Copper Cabling System

Incorporating all the features you have come to expect from 3M, the Category 5e Copper Cabling System based on the RJ45 K5e jack offers stable Category 5e performance compliant to the latest edition of EIA/TIA 568B and Category 5 hardware, Class D link performance according to the latest international cabling standards ISO/IEC 11801, EN 50173.

Up to now, the level of performance obtained from Category 5e systems has required a high level of skill from the installer and often a significant amount of time has had to be invested in post installation remedial work in order for the system to work correctly.

Now, thanks to the one-click technology, the RJ45 K5e jack from 3M can be installed absolutely tool-free in record time whilst comfortably exceeding the performance requirements of Category 5e.



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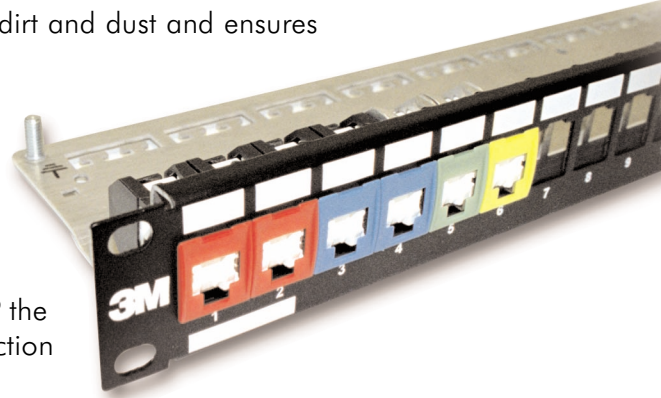
The RJ45 K5e jack design guarantees consistent and repeatable results. But in the unlikely case of an installation mistake the RJ45 K5e jack can be re-used right away without the need to purchase any spare parts.

The integral shutter protects the jack during installation from dirt and dust and ensures protection and the highest reliability over system lifetime.

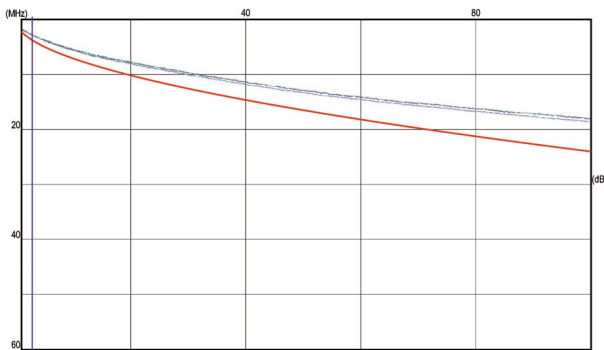
In modern office buildings, aesthetic aspects are becoming more important. Keystone fixing makes the RJ45 K5e jack compatible with most faceplates and boxes on the market, thus offering nearly unlimited design possibilities.

With three versions of the system available in UTP, FTP and STP the Category 5e cabling system is suitable for all the EMC protection levels required in different environments and markets.

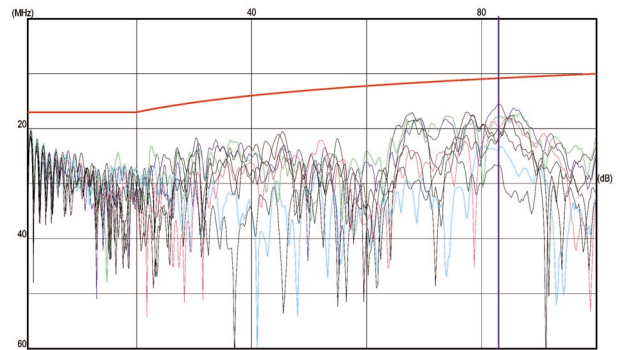
Associated with the K5e jack are system components and accessories (e.g. cable, patch cords, outlets, patch panels...) which are optimized to provide maximum system performance and reliability for all applications you will meet in the market place.



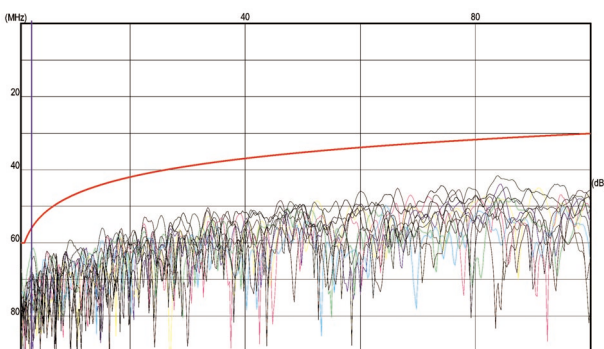
Attenuation (MHz)



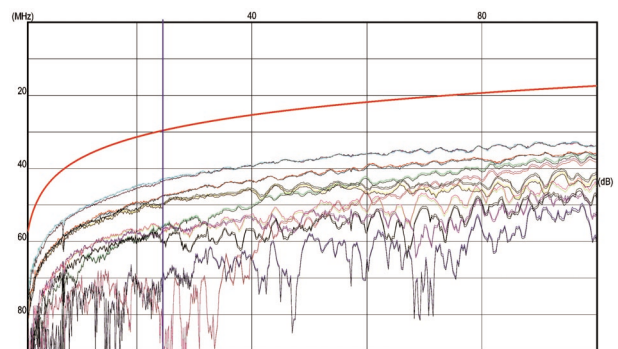
Return Loss (MHz)



NEXT (MHz)



ELFEXT (MHz)



Volition™ Cabling Systems



- Significantly exceeds category 5E performance requirements
- Integral dust shutter
- Easy to install
- No tools required
- Re usable
- Keystone mounting
- Available in 3 versions UTP, FTP and STP
- Compliant with the latest standards
- Wide range of accessories



Feature



- Guaranteed performance with minimum influence due to the skill of the installer
 - Protects contacts from dirt and dust
 - Reliable low cost installation
 - Extremely short termination time
 - Less wastage
- Widespread mounting applications
- Suitable for all EMC protection levels
- Compatibility with future systems and applications
- Guaranteed solution in every case

Benefit

Volition™ Cabling Systems



Category 5e meets all your requirements for today's needs. It provides a network infrastructure that is fully capable of running Gigabit Ethernet. Category 5e offers genuine benefits over older Category 5 systems. The 3M Volition Category 5e cabling system will give you the ability to have a fully backwards compatible structured cabling system, allowing you to expand your existing Category 5 system or to build a new network infrastructure.

With the RJ45 K5e jack representing the 5th generation of tool-less termination jacks from 3M, with tens of millions of jacks installed since 1994, you can be assured of its reliability. As you would expect, an extended 20 year warranty is also available. If you do need assistance 3M is able to offer full technical support through its world-wide technical service organisation including:

-certified installer training courses

-network design support

-on-site installation support

With the 3M Volition Cabling System, 3M offer complete solutions for copper, hybrid or fibre optic networks, ensuring a clear path for broadband migration with minimal upheaval and at an economic cost.

No matter where your network is going, 3M can get you there. Whatever your migration path to broadband networks for voice and bandwidth-intensive applications in a building or campus environment, 3M will assist you in building the most efficient, reliable and cost-effective solution.



Call your local 3M office today and we will help you take your network wherever you want it to go

important important notice

3M does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

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