



5X RANGE
5 WAYS TO REACH EXCELLENCE



www.cae-groupe.com

THE 5X OFFER

The excellence of the structured cabling offer

CAE GROUPE

Since 1987, the CAE Group has been designing and distributing intelligent cabling solutions for the most demanding buildings and environments such as **industry, transportation, energy and live**. Through its brands, CAE supports its customers at every stage of their projects, helping them to meet the daily challenges they face.

CAE GROUPE, humanizing cabling.

Growing requirements

IP applications needs have almost doubled in a few years. IP convergence has accelerated the need for more and faster data.

Intelligent buildings are now the scene of numerous digital data exchanges that enable their proper functioning.



This «intelligence» requires the rapid transmission of binary data with minimal error. Whether copper or fibre, the cabling infrastructure must meet essential criteria such as:

RELIABILITY



PERFORMANCE



MODULARITY



Since 1993, Multimedia Connect has designed, developed and produced high performance and quality structured cabling solutions that meet the needs of IP applications, whether they be in the service sector, data centres, etc.

With its new 5X cabling offer, Multimedia Connect offers a connectivity solution that meets the needs of both installers and end users.

The 5X range, the 5th generation of MMC connectors, has been specially studied and designed to meet all installation constraints and ensure optimal network operation and durability.

CONNECTIVITY

5 ways to reach excellence

If the 5X offer meets the growing needs of the industry, the 5X range of RJ45 connectors allows to reach the excellence of the RJ45 connection by relying on 5 criteria which are the basis of the connection and the installation:

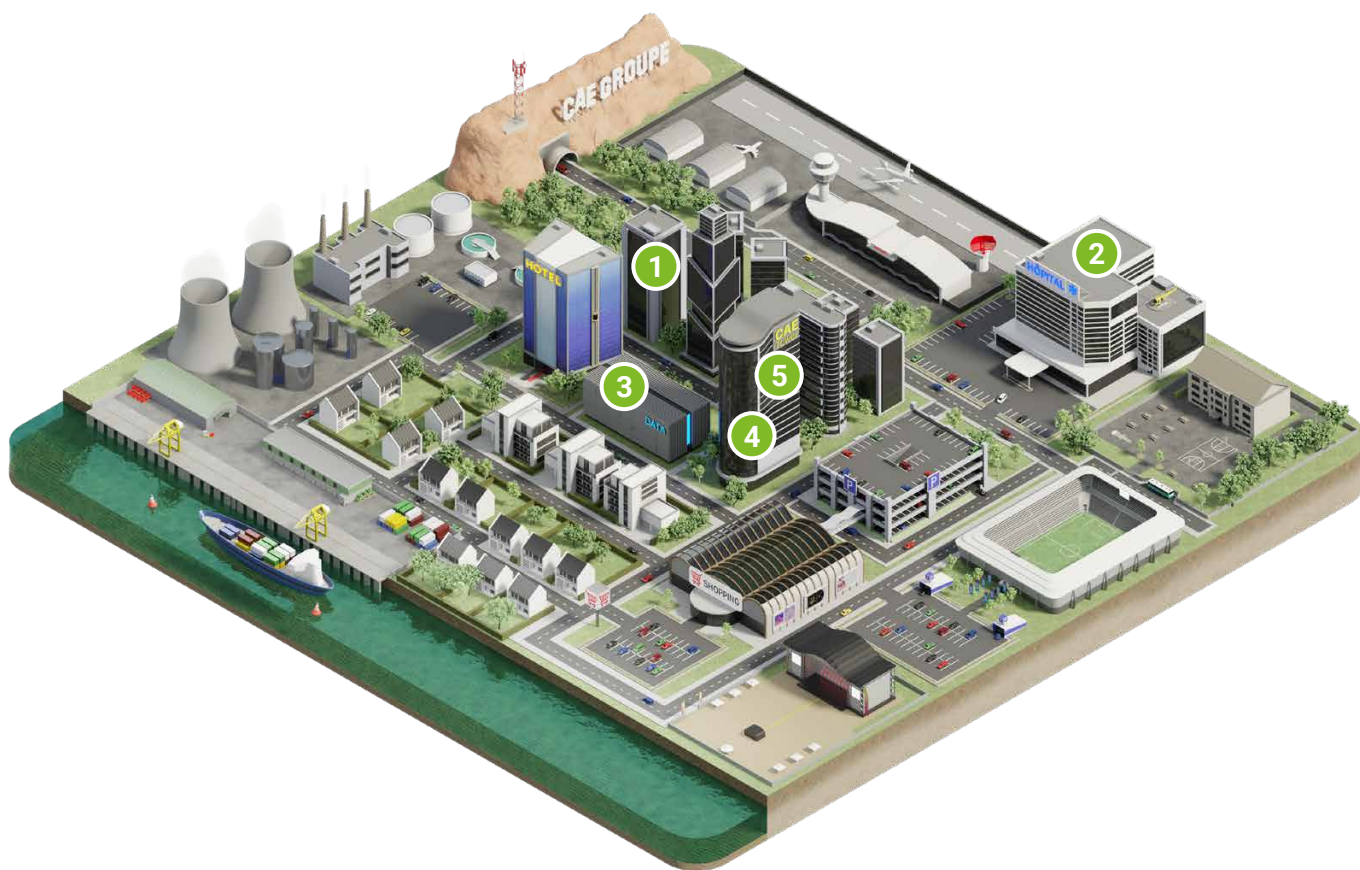
1. PERFORMANCE

An RJ45 connector must perform well to ensure data transmission rates of up to 40Gbit/s.

Cabling accessories, such as the panel, must ensure good cable management to avoid performance losses due to cable constraints.

2. MODULARITY

The multitude of installation types requires the ability to adapt to all types of configuration: trunking, flush-mounted etc...



3. SIMPLICITY

The cabling system should be easy to use and should facilitate installation and maintenance.

4. INNOVATION

Innovation is a priority that must serve the interests of the installer and the end user.

5. QUALITY

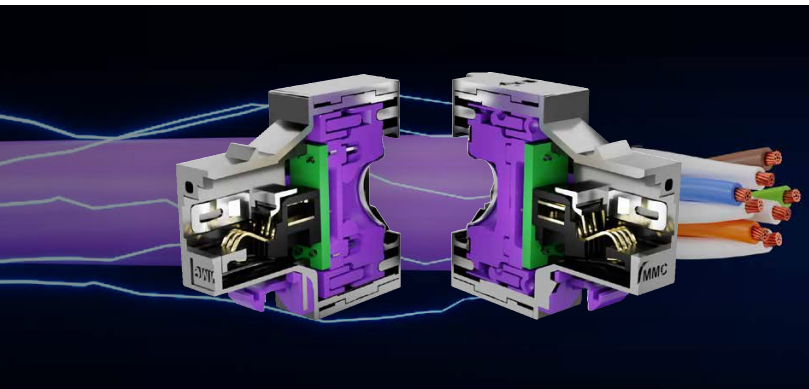
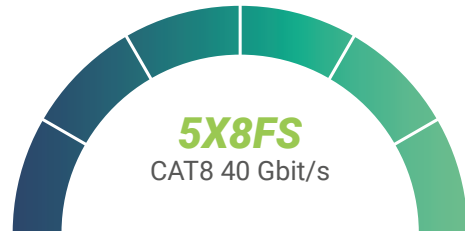
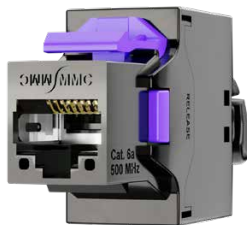
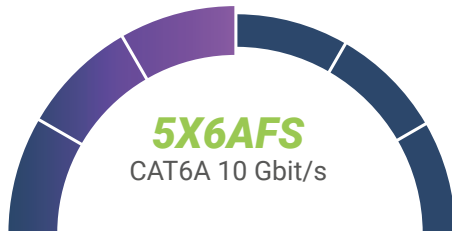
Tested and certified products will ensure a compliant cabling system with the applicable standards.

Compliance with environmental constraints is also a guarantee of quality.

PERFORMANCE

The 5X connector provides excellent transmission performance in order to be able to transfer the large amount of data that transit through an IP network today.

The 5X connector is available in 2 versions:



New compensation

The 5X connector features new compensation technologies that enable data transmission rates up to 40Gbit/s. This innovative compensation technology ensures excellent performance.



The new technology in the 5X compensates for the interference caused by the electrical transmission of the signal throughout the entire length of the cable.

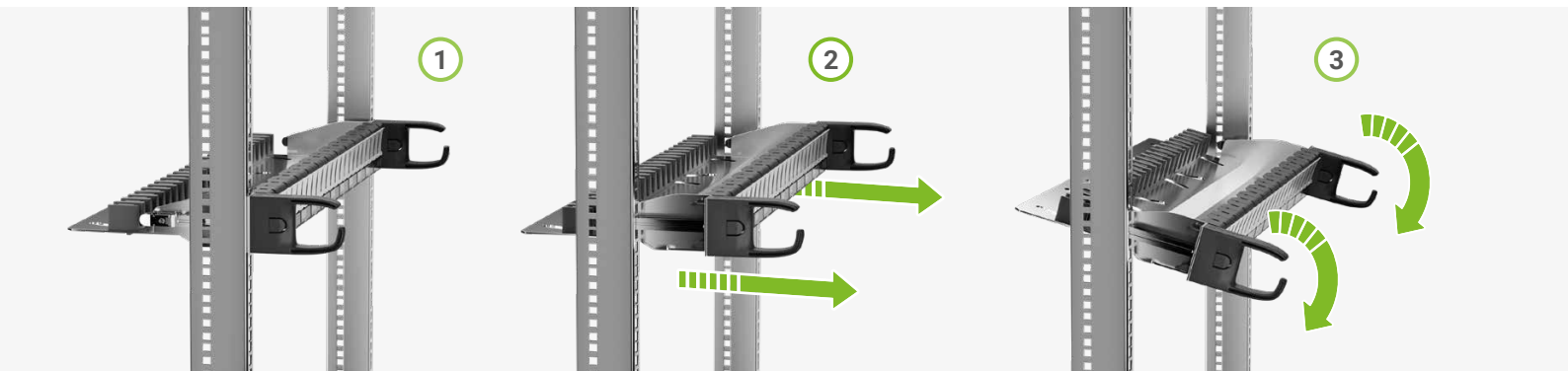
INNOVATION

The 5X range has innovative features in line with the Multimedia Connect philosophy of "smart & simple": developing innovative and easy-to-use solutions.

A revolution for installation and maintenance

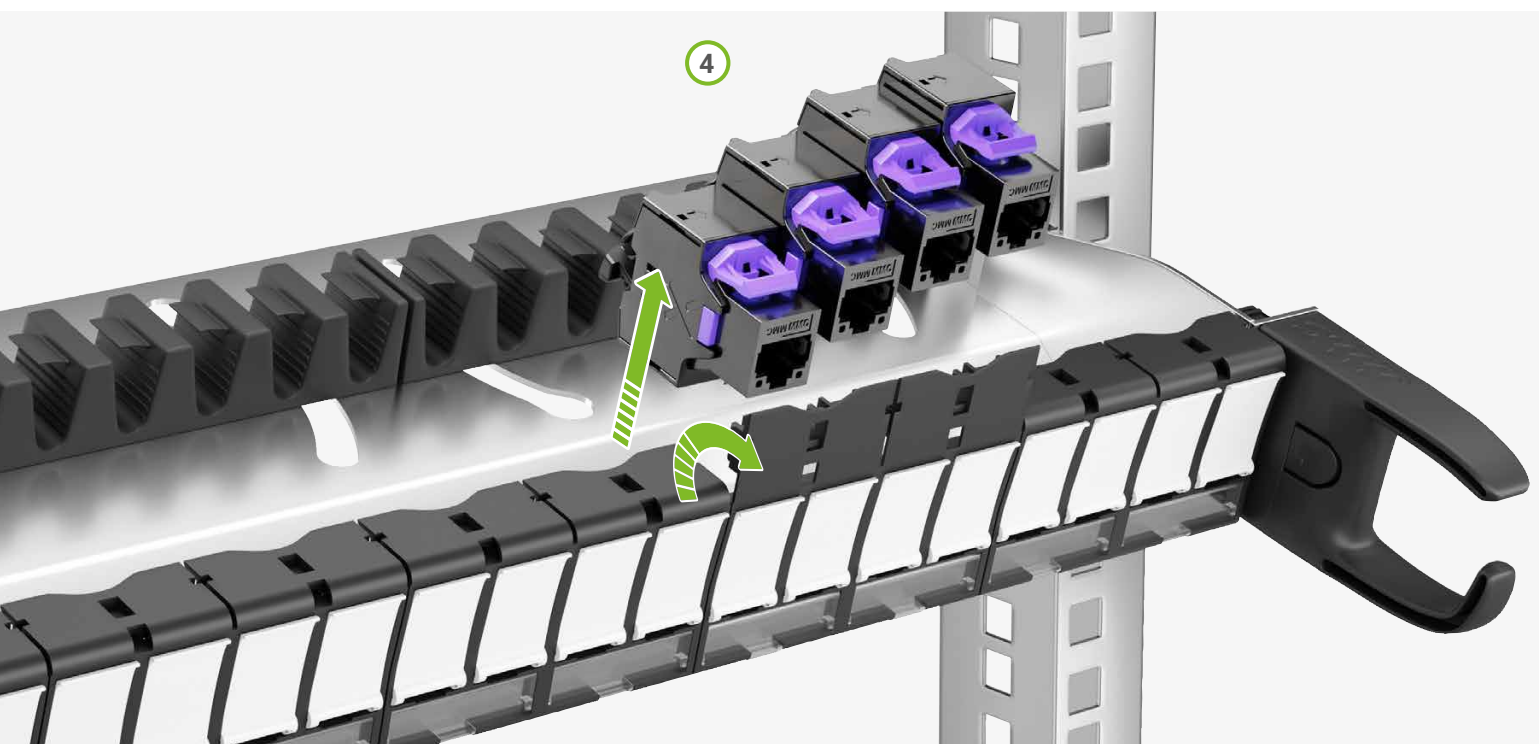
The 5X panel revolutionises the way RJ45 jacks are connected by offering a new method of mounting connectors.

The innovative mounting system allows the panel to slide forward **2** and swivel downwards **3**, leaving the installer free to mount and install the connectors from the front. **4**.



Installation, maintenance
quick and easy

Thanks to the 5X panel, the keystone connector is no longer mounted from the back but is attached from the front, by sliding it from the top. This makes installation and maintenance much easier and faster.



MODULARITY

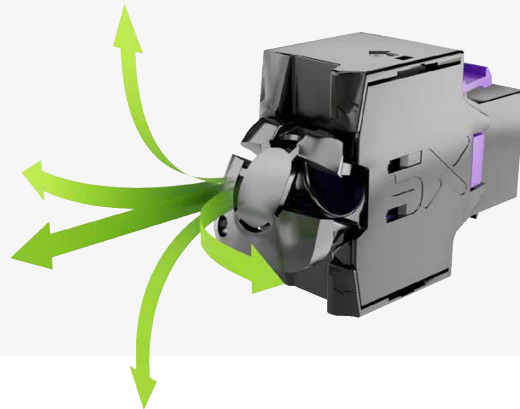
The diversity of installation types and the various building configurations requires a certain modularity in order to be able to adapt to all needs.

The 5X range has been developed to offer maximum modularity and thus ensure the durability of the installation.

A 5-exits flange

The 5X connector has an innovative rear flange that offers the possibility to have 5 exits.

Depending on the position of the rear flange, the installer can adapt the cable exist to the desired direction.



This means that the 5X connector can be installed in a trunking or flush mounted without damaging the cable and without degrading the electrical performance.



Strand management: durability of the installation

Modularity of cabling is also ensured by the 5XPAN1U panel. Equipped with rotating rear blocks, the panel allows the management of cable entries while respecting the constraints of these cables.



The rear blocks are equipped with a cable holding function thanks to a very flexible tongue, thus avoiding the use of ties which could degrade the performance of the cable. The rear blocks thus ensure the durability of the installations.



The 5X panel mounting system has rings to facilitate the management of cable strands in the front panel.

The rings have been designed to accommodate 24 CAT6A cords without any risk of damage.



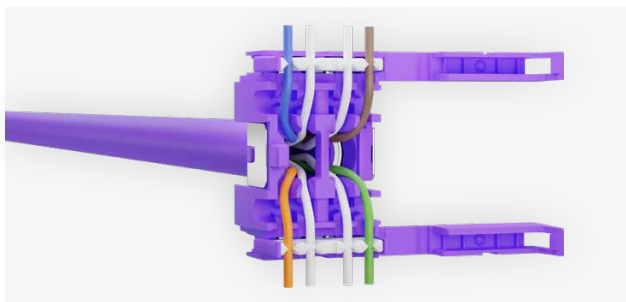
SIMPLICITY

The 5X connector has been developed by our R&D teams with the aim of becoming one of the easiest connectors to connect.

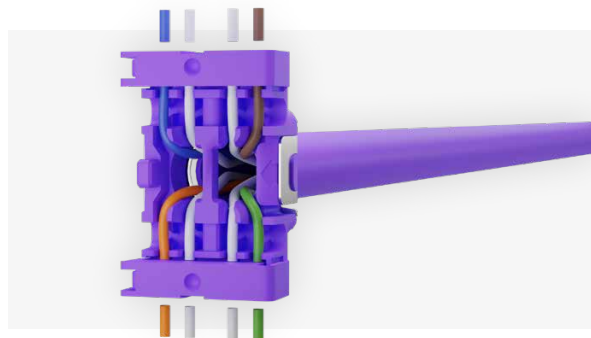
A pin comb designed for the installer

The RJ45 5X connector has an optimised wiring pin comb.

The numerous feedbacks from our customers have enabled us to develop a wiring pin comb with an ideal connection.



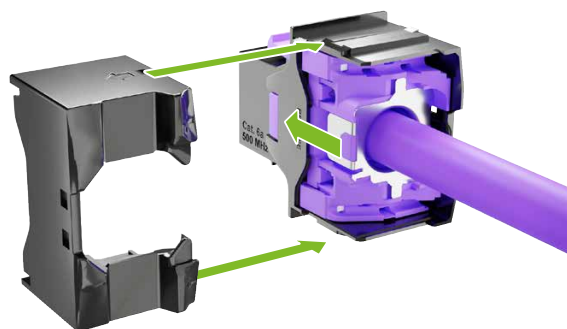
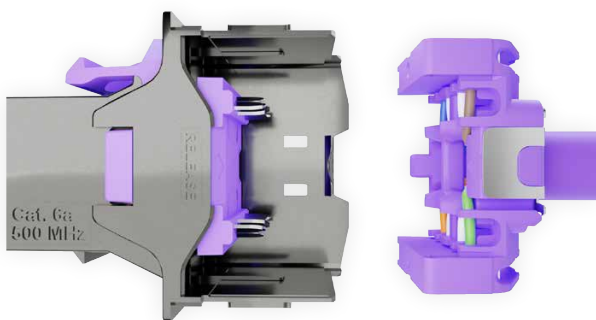
Equipped with stripes and fins, it allows for a respect of wire untwisting lengths.



The wiring pin comb is also equipped with blades for wire cutting.

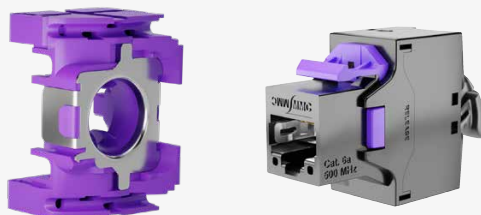
Simplified locking

The connector is locked by a sliding system. The 2 half-bodies will slide, thus exerting a mechanical force which ensures the crimping of the wires without the risk of deforming the IDC (Insulation-Displacement Connector). The simplicity of the locking system will facilitate the work of the installer and will allow an easier repeatability of the gesture.



Full-proof shielding

The 360° shielding and grounding of the 5X connector also optimises the performance of the connector by providing excellent ElectroMagnetic Compatibility (EMC).



One-click lockable panel

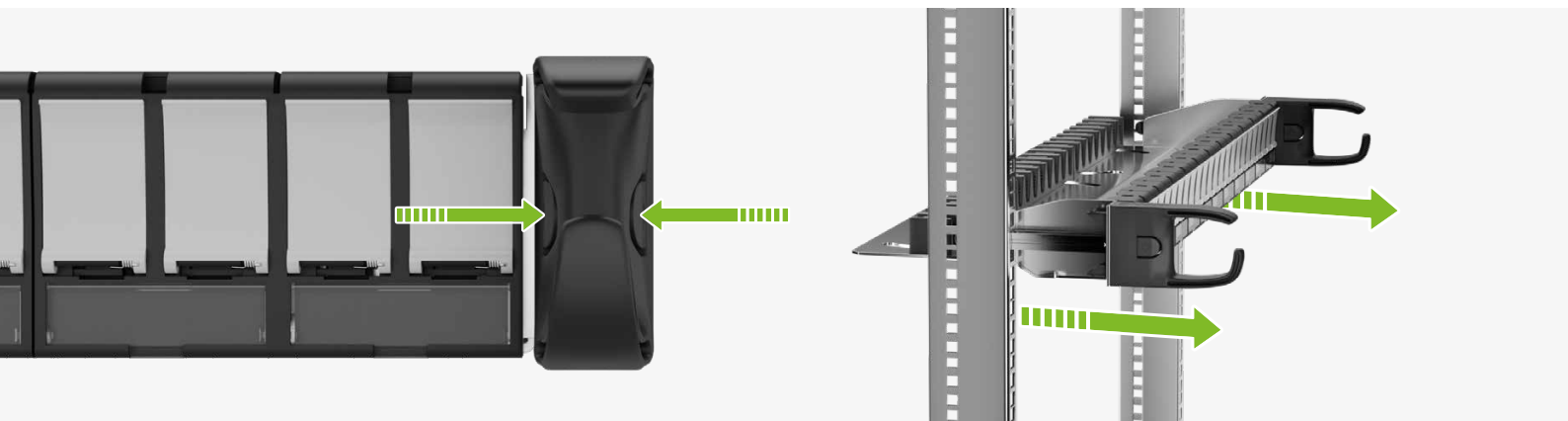
The patch panel must also be easy to install.

To achieve this, the 5XPAN1U is equipped with an innovative screwless fixing system, which reduces installation time and avoids screws installation on the 19" mounts.



By simply pressing on the 19" rail, the panel locks into place and ensures perfect stability and traction.

The 5X panel is unlocked by pressing the side buttons.



Easy identification

The patch panel has large label holders for easy identification of the ports.

The ports are also equipped with interchangeable dust shutters for easy identification by colour coding.



QUALITY

Multimedia Connect's 5X offer follows a strict quality process in order to provide the greatest satisfaction in terms of user experience.

A certified and guaranteed offer

The 5X RJ45 connector has been certified by an independent laboratory, proving its reliability and excellent electrical performance.

The 5X6AFS connector is component certified, but also 4PPoE certified for 90W operation.



Multimedia Connect also provides a series of Class Ea links certified by independent laboratories.

The 5X offer is, of course, backed by the Multimedia Connect 35-year system warranty for all certified installers.

Responsible packaging

Since 2020, Multimedia Connect has taken a responsible approach by eliminating plastic packaging. The 5X offer continues in this direction, with 100% recyclable packaging, 0 plastic and 0 polybag. The connection instructions have also been digitised to minimise the use of paper.



Ordering information

REFERENCE	DESIGNATION	QUANTITY
5X6AFS8	RJ45 CAT6A shielded connector 5X range	Box of 8
5X6AFS48	RJ45 CAT6A shielded connector 5X range	Box of 48
5X8FS8	RJ45 CAT8 shielded connector 5X range	Box of 8
5XPAN1U	19" 1U patch panel 5X range	Single box

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