

Actassi CL-MX Cat6A cable

3 revolutions in copper LAN cable technology

Network Connectivity



The new Actassi CL-MX
design provides

3x

- Superior shielding
- Faster installations
- Increased efficiency

Actassi CL-MX brings innovation in both design and performance

Internet technology is closely associated with frantic development. Computers improve with every new generation, while their life expectancy declines just as fast. But what has happened with the network infrastructure in-between? And with technical rooms, data centres and cables?

Finally a true cable evolution

When it comes to network cables, the progress has unfortunately been close to nil. As a specifier, installer or IT manager you are far too well aware of this. To handle cables professionally each day is a work that involves as many finicky details and time consuming phases as it did 10 or 20 years ago. That's why we at Schneider Electric decided to look at cables from a Darwinist perspective.

Improved performance x3

With our new shielded Actassi CL-MX copper LAN cable we proudly present the result of our cable evolution. Actassi CL-MX gives 3x less cutting, 3x faster installation and 3x shielding. With superior transfer impedance and the higher Cat 6_A performance, Actassi CL-MX is the new, high-performance generation of shielded cables.

Be sure to benefit from Actassi CL-MX.

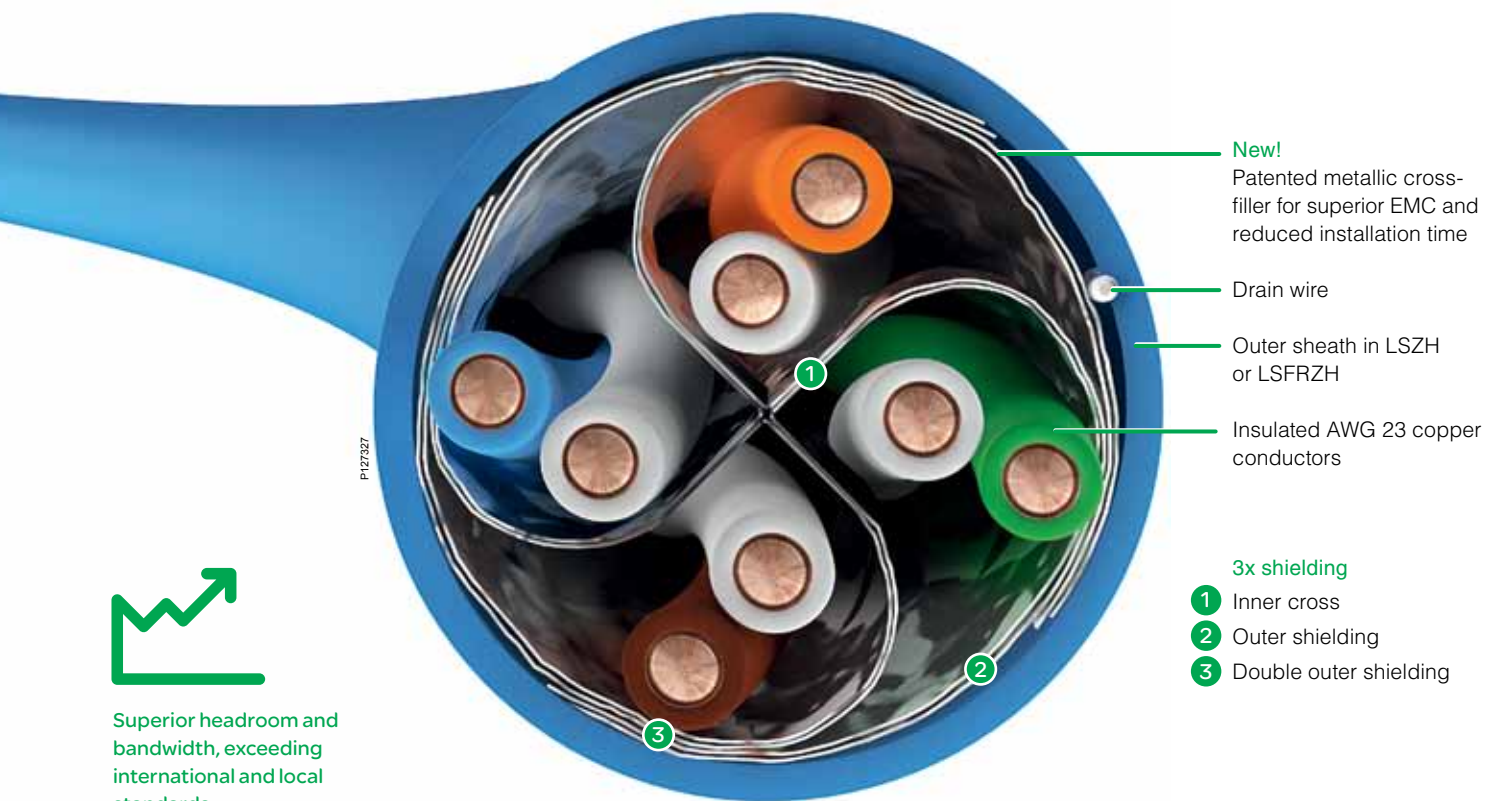


Full certification by the third-party independent laboratory Delta at the highest Cat6_A international standards level (ISO/IEC 11801:2011 Ed2.2)

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3 times improved performance with 1 new metallic crossfiller

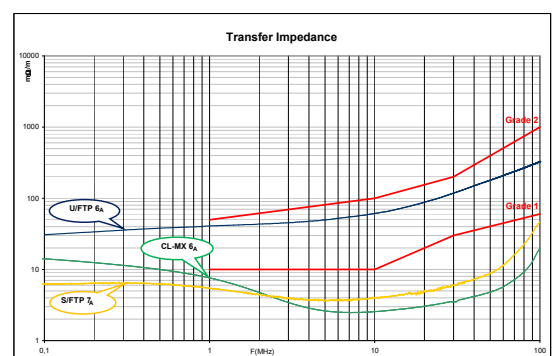
The patented crossfiller brings 3x shielding and superior Electro Magnetic Compatibility (EMC). Thanks to the unique design, the EMC performance is among the best in the market with performances exceeding the standard requirements for shielded cables with braid (S/FTP). The metallic crossfiller ensures an improved transfer impedance to fit requirements of sensitive areas where data transmission is critical. Best of all, Actassi CL-MX cables require less operations to be installed.



Superior headroom and bandwidth, exceeding international and local standards.

Designed for improved EMC

High-speed transmission protocols beyond 10 Gbit/s highlight ANEXT sensitivity and noise immunity as key performance factors for efficient, secure and robust installations. The single-foil structure of the metallic crossfiller acts like a triple screen protection around the copper twisted pairs. This specific design enhances EMC performances to reach grade 1 on the transfer impedance parameter, which is better than a shielded design with braid.





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Better link performance

With Actassi CL-MX the installations are easy and safe. According to the international standards for shielded LAN cables, the use of CL-MX cables will require less installation operations:

- No separation distance to power cabling*
- No ANEXT field testing

*EN 50174-2 to be referred



The fire properties are documented by standardized methods according to IEC 60332-1, 60332-3C, 60754-1 and 60754-2.

Improved safety in case of fire

Actassi CL-MX is available in two versions, the flame retardant LSZH and the fire retardant LSFRZH. Both are halogen-free. In case of fire, the result of using CL-MX is the reduction of the emissions of opaque smoke and acid gases. Thus, it helps reducing damages to equipment and allows people to escape from the building more easily.



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Less cutting with Actassi CL-MX

3x

Three times faster installation with Actassi CL-MX



Use the cable stripper tool and cut the outer sheath.

Cut the one single foil metallic crossfiller and remove it with a simple grip.

Your CL-MX is ready to connect.

Instead of separate wrapped-in foil pairs (like in traditional F/FTP or F/UTP cables), the Actassi CL-MX new crossfiller is wrapped in one single foil. This means less cutting and improved quality of the cable preparation. No need to pay attention to cutting the foils at exactly the same level, or to the length of the F/UTP plastic cross.

Why traditional F/FTP cables are 3 times slower to install



Prepare your tools.

Use the cable stripper tool and cut the outer sheath.

Cut the outer foil.

Remove the foil.

Separate all pairs and the drain wire.

Cut and remove the foil of the first pair.

Cut and remove the foil of the second pair.

Cut and remove the foil of the third pair.

Cut and remove the foil of the fourth pair.

Technical specifications



CL-MX is compliant with RoHS, the REACH European directives and PEP Eco passport. Product Environmental Profile available on request.

Application

Category 6_A twisted pairs cable for LAN indoor installations, supporting all ISO/IEC 11801:2011 Ed2.2 applications for Class EA balanced cabling like:

- 10 Gigabit Ethernet, Gigabit Ethernet, Fast Ethernet
- Power over Ethernet Plus compliant (PoE+)

Benefits

- Part of the high-performing Actassi offer
- Guaranteed performances exceeding international standards
- Superior EMC performances when compared to traditional F/FTP cables (Grade 1 Transfer Impedance)
- Quick and simple twin removal actions for the sheath and the shield
- Improved consistency of shield removal
- Reduced cable diameter and weight
- Low Smoke and Zero Halogen emission
- Improved behaviour in case of fire

Standards

The products comply with the standards:

- ISO/IEC 11801:2011 Ed2.2
- ISO/IEC 61156-5 Ed2
- EN 50173-1
- EN 50174-1
- ANSI/EIA/TIA-568-C.2
- IEC 60332-1
- IEC 60332-3C (for LSFRZH version)
- IEC 60754-1
- IEC 60754-2
- IEC61034
- ISO/IEC 14763-2
- prEN 50288-10-1

Product range

Actassi CL-MXC6 _A		
Type	Pack	Ref. No
LSZH, F/FTP 4P Cat6 _A	1000 m	VDIC68X318
LSFRZH, F/FTP 4P Cat6 _A	1000 m	VDIC68X318F01
LSZH, F/FTP 2x4P Cat6 _A	500 m	VDIC68X228
LSFRZH, F/FTP 2x4P Cat6 _A	500 m	VDIC68X228F01
LSZH, F/FTP 4P Cat6 _A	500 m	VDIC68X218
LSFRZH, F/FTP 4P Cat6 _A	500 m	VDIC68X218F01

The perfect match

Discover the benefits of a perfect match by using the Actassi CL-MX cable together with the innovative Actassi S-One connector. The result is a shielded copper LAN solution with superior performance.



CL-MX stands for Copper LAN Metallic Xfiller

Actassi makes all the difference

None of us can do without network connectivity these days. That's why we have done a lot with the equipment you need to ensure professional seamless end-to-end connectivity.

As a global company, with 110 000 employees in more than 100 countries, we have been providing many locally well-known brands, such as Sarel, LexCom and Infraplus. They all had their differences and that's why we decided to select the best performing features from the local brands and turn them into one global range. The result is Actassi, a complete system for

network connectivity, making all the difference by removing the differences. With cabinets and connectors, patch panels and now also cables, Actassi provides the best professional equipment on the market, making it easy to create a certified link. Actassi ensures a complete peace of mind, by a reliable and speedy installation.



The sturdy Actassi enclosures, the smart Actassi 19" patch panels and the easily installed Actassi S-One connectors...

Combined with Actassi CL-MX cables, the Actassi system is close to perfection.

* Make the most of your energy

Schneider Electric Industries SAS
35 rue Joseph Monier
92500 Rueil-Malmaison
France
www.schneider-electric.com

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