



выбор в категории 6A - два высоко-производительных модуля: Cat. 6A (на рынке с 2010) и Cat. 6A EL (доступен с лета 2014).

When engineers have to provide office or building cabling systems for higher demanding applications such as 10 Gigabit Ethernet quickly, at an affordable price, with total reliability and little effort, they will opt for Cat. 6_A EL. This guarantees adherence to the relevant standards and the specified performance values in every case.

There are, however, certain scenarios in which adhering to the standard values for Cat. 6_A alone is not sufficient to always ensure a 10GBase-T transmission. Wherever the largest possible performance reserves are required for 100 % secure data transmission with 10GBase-T or exceptional performance

for future special applications, the product of choice will be the Cat. 6_A module – for example in data centers or in financial sectors.

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In both cases, the Cat. 6_A products from R&M fulfill the component specifications defined in IEC 60603-7-41 or -51. They are suitable for establishing permanent links and Class E_A channels in accordance with the latest ISO/IEC 11801 or EN 50173-1. When installed, the Cat. 6_A connection module demonstrates even better performance values than the standards require. R&M guarantees that the Cat. 6_A module, when properly installed, attains a NEXT reserve of 4 dB in the permanent link and in the channel. ■

This is how Easy Lock works

EL stands for “easy lock” and describes the innovation installers have been waiting for. This is how the wiring of the Cat. 6_A EL works: Insert wires, slide wire guide into socket, press wiring cover shut and close clamping ring. The connection is completed. The precise, simple quick assembly system and insulation displacement contacting from R&M ensure reliable, standard-compliant termination of the wires.

The integrated clamping ring takes care of strain relief. It fixes all typical types of cables in place without pinching them. Cable ties or specialized tools are things of the past. With shielded twisted pair cabling (STP) the clamping ring also provides 360° shield termination because it wraps around the braided shield.

The module is available shielded (STP) in the die-cast version and unshielded (UTP) in the plastic version. The housing of the UTP module is made from a special plastic which reduces electromagnetic emissions (crosstalk) and thus controls the Alien NEXT of the module. This means the module can be installed anywhere without any additional protective measures.

The Cat. 6_A EL module is application-neutral. It terminates all installation cables with wire and flexible cables with strands in all common diameters according to the wiring configuration 568A or 568B. It is compatible with the tried-and-tested R&M cabling and security systems and tolerant of connectors made by other manufacturers. It can also be used in outlets or panels from other manufacturers thanks to various adapters.

Cat. 6_A

- Sophisticated, high-tech areas of use critical for business (e.g. data centers and HQ buildings)
- Largest possible system reserves (far above Class E_A as specified by ISO/IEC 11801)
- Ensures future effectiveness for 10 GbE support even in tough conditions and for next-generation applications
- Special demands made of cabling (e.g. high-density (1U 48-port), short links, particular shielding)
- Special cabling structures and specifications possible
- Uniform transmission performance, regardless of the installer

Cat. 6_A EL (Easy Lock)

- Up to 10GbE applications in office and industrial buildings
- Fast, easy, efficient installation in standard projects
- Secure and solid performance, guaranteed adherence to standards
- Shallow installation depth
- Cabling structure in acc. with reference implementation of the standards
- No special requirements of planning, qualification, installation
- Best productivity in installation



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