

AMJ45 Cat.6+

Your Six-Course Menu Our Advantage for Your Needs!



(+) Compliance with all Standards

(+) Mix & Match

(+) Link Headroom

(+) Design Capable

(+) 8-Way Variable

(+) Quick Grounding



Made in Germany

The AMJ45 Cat.6+ generation of data outlets combines numerous features in a single design to create an attractive price/performance package. Within the context of current standards, Cat.6+ components support an "open" Cat.6 solution in the sense of the ability to "mix & match" them with the Cat.6 components of other manufacturers who test their Category 6 components according to the latest component standards. All Cat.6+ RJ45 technology production work is carried out at our parent plant in Steinenbronn, Germany, under Telegärtner's recognized high quality standards.



[+] Compatible with Standards on Every Continent

ISO/IEC 11801:2002:

A standard accepted throughout the world for the application-neutral, structured wiring of buildings that, among other things, defines the classes (channel and permanent link) and categories, but contains no test requirements with respect to test platforms. These are defined in the individual component standards.

EN 60603-7-5 (RJ45 shielded, 250 MHz):

A component standard that will apply to Europe after adoption and will specify the transmission technology limit values and test procedures. Among other things, it describes the manufacture of de-embedded test connectors to measure Cat.6 components.

TIA/EIA-568-B.2-1:

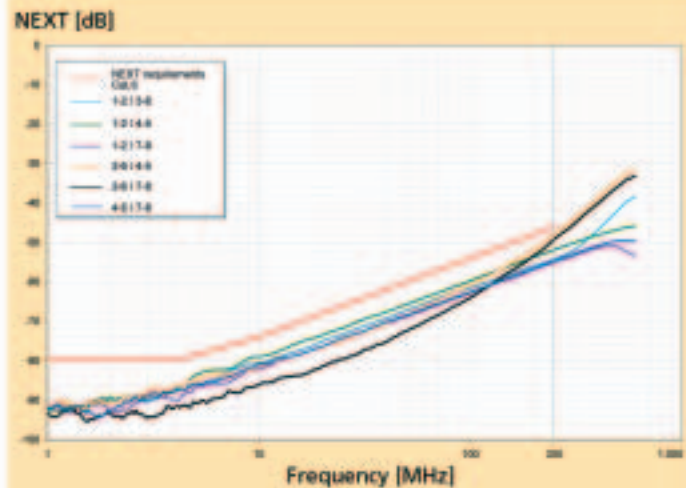
Component standard applicable to North America. Telegärtner products comply with all the standards listed above.

[+] Mix & Match

The component standards were expanded for the purpose of allowing testing with regard to the interoperability between Cat.6 RJ45 data outlets and RJ45 connectors from other manufacturers. It is for this reason that test connectors with a defined deviation from the Telegärtner (central) connector are now also being measured in an elaborate process (de-embedding measuring procedure). Now, a test to confirm compliance with NEXT requirements no longer involves merely 6 pair combinations and

the central test connector, but instead also includes high and low test connectors.

The component standard has defined 12 technically reasonable test connectors with NEXT values. Telegärtner complies with the NEXT requirements for all 12 test connectors, while maintaining adequate reserves with respect to the limit value chart.



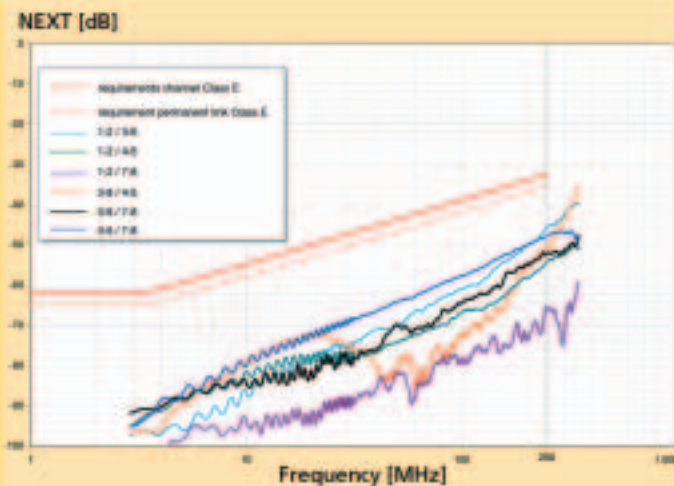
NEXT-requirement for Cat.6 components

Typical NEXT values AMJ45 8/8 Cat.6+



[+] Which Design Will it Be?

Your customer has chosen a market-leading design switch program from another manufacturer. No problem for the AMJ45: Telegärtner provides a structural platform without a faceplate (UP/0), and you simply adapt the visible design to your customer's design needs with the aid of a 50x50 faceplate and an 80x80 cover frame.



NEXT requirement for channel and permanent link Class E

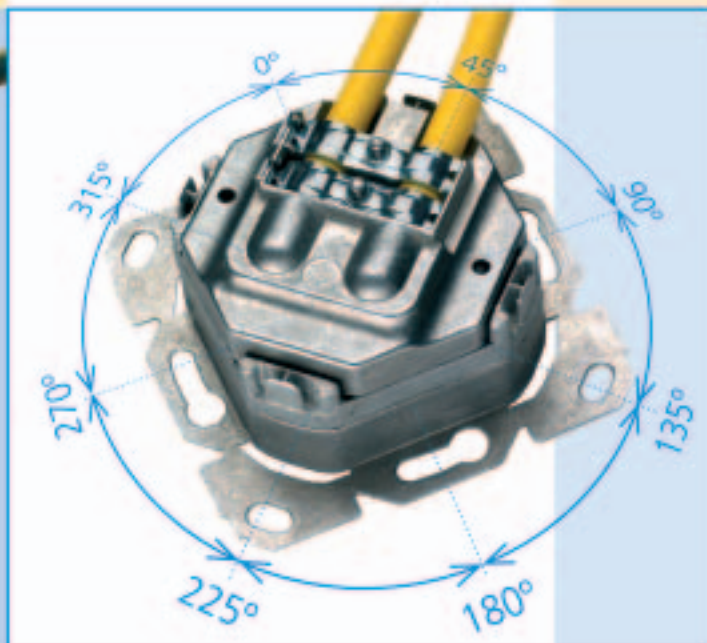
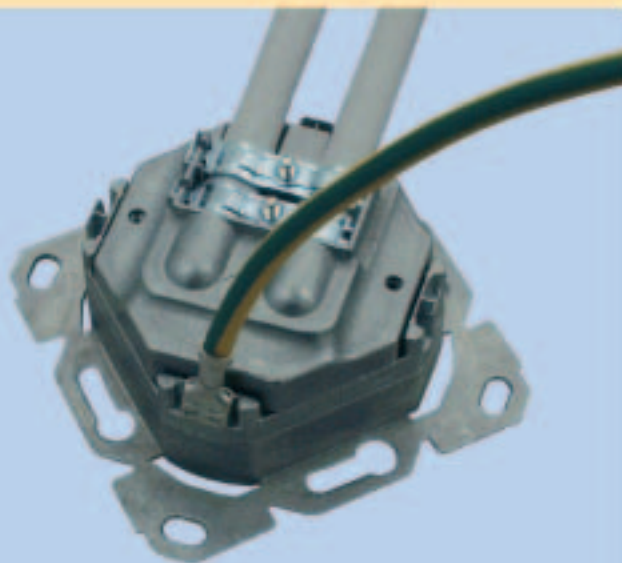
Typical measured values for Telegärtner Class E permanent link with Cat.6 components (AMJ45 Cat.6+ / MPP24-HS Cat.6+)

[+] Permanent Link Headroom

With regard to "availability" and "recalculation" for a project, theory and practice often differ radically. In actual installations, a failure of an acceptance test using field measuring units results in significant added costs for the final customer. With their new RJ45 Cat.6+ data outlet technology, Cat.6+ products from Telegärtner provide you with outstanding link headroom in the field, particularly with regard to the critical high frequency measuring points in the range up to 250 MHz and for 4-conductor links.

[+] The Variable 8-Way Trick

Often, it's not until you're actually on-site that you'll find out from which direction you can bring in the installation cables. No problem with the variable AMJ45. Simply choose from one of eight possible directions in 45-degree increments once you're on the site. In addition, this reduces your costs for maintaining a stock of various data outlet designs and versions - the right data outlet is already in the warehouse or is in the van on its way to the site.



[+] Quick Ground Connection

You can, of course, spend a great deal of time on site setting up a ground cable, or simply make use of a widely available, ready-to-use line of connection products. Using preconfigured lengths, you can connect the one of the AMJ45 blade terminal connectors on each of the four corners to the steel channel.

Other Performance Characteristics:

- Flip-up labeling field that won't get lost
- Integrated dust cover
- 360-degree shield contacting and cable strain relief using two separate screw-on clamps for Cat.6+
- Design with low installation depth; by bringing the cables into the recesses on the side of the lower portion, the data outlet is also well suited for floor tank installations (three boxes back-to-back)

The Complete Telegärtner Menu

- AMJ45 Cat.6+ data outlets
- Cover frames
- Surface-mount sets
- Top hat rail adapters
- Universal equipment installation carriers
- 19" panels
- Patch cables



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Order no.	Description	PU*	Note
J00020A0376	AMJ45 8/8 UP/50 Cat.6+, 2xRJ45, alpine white	5x1	AMJ45 UP types can be created by combining the UP/50 type and a cover frame
J00020A0387	AMJ45 8/8 UP/50 Cat.6+, 2xRJ45, RAL 1013 pearl white	5x1	
J00020A0384	AMJ45 8/8 UP/0 Cat.6+, 2xRJ45, w./o. faceplate	5x1	
J00020A0453	AMJ45 8 UP/50 Cat.6+, 1xRJ45, alpine white	5x1	
J00020A0452	AMJ45 8 UP/50 Cat.6+, 1xRJ45, RAL 1013 pearl white	5x1	AMJ45 AP types can be created by combining the UP/50 type and a surface-mount set
J00020A0454	AMJ45 8 UP/0 Cat.6+, 1xRJ45, w./o. faceplate	5x1	
B00004A0021Y	Cover frame, 1x, 80x80, alpine white	5	
B00004A0019Y	Cover frame, 1x, 80x80, RAL 1013 pearl white	5	
B00005A0009Y	Cover frame, 2x, 151x80, alpine white	5	*PU = Packaging Unit: 5x1 is a five-pack that can be separated into single-packs
B00005A0007Y	Cover frame, 2x, 151x80, RAL 1013 pearl white	5	
H02000C0027	Surface-mount set, alpine white	5	
H02000C0026	Surface-mount set, RAL 1013 pearl white	5	
H02000A0054	Top hat rail adapter for surface-mount set	5	
H02010B0013	Universal equipment installation carrier for data outlets in the under-floor channel	5	
J02022F0024	19" panel MPP16-HS Cat.6, 16-port, 1 HU, RAL 7035	1	
J02023F0019	19" panel MPP24-HS Cat.6, 24-port, 1 HU, RAL 7035	1	
J02022A0060	19" panel MPP16-HS Cat.6+, 16-port, 1 HU, RAL 7035	1	
J02023A0060	19" panel MPP24-HS Cat.6+, 24-port, 1 HU, RAL 7035	1	

Additional Information:

To guarantee safe and secure data transmission, please select the patch cable category that matches your link (Class D or E) from our online selection at www.telegaertner.com, or from our DataVoice 2003 print catalog.

The new "TicNet" configurator for connection-ready fiber optic cables is accessible online at www.telegaertner.com/ticnet/english

You can also find information concerning the training and educational opportunities offered by the BDNI (Network Industry Education Initiative) at www.bdni.de. Telegärtner is one of the founding members of the BdNI.



www.telegaertner.com



19" Patch Panel Performance Characteristics

All components are important when it comes to the transmission quality of a link. Telegärtner Cat.6 and Cat.6+ fully-shielded 19" patch panels have been proven in the field and are an optimal complement to the link being established.

- EMI compliance in accord. with EN50022
- Tool-free stainless steel shield hood installation
- Cat.6+: Compliance with ISO/IEC 11801:2002, EN 60603-7-5, TIA/EIA-568-B.2-1, Cat.6
- Grounding via included ground connection cable
- LSA-plus blade terminals with color-coded labeling in accordance with EIA/TIA 568 A and B
- 360-degree shield contacting and initial cable strain relief by means of screw-on clamps directly on the PCB
- Second cable strain relief with the cable ties included as part of the standard delivery
- Numbered connection sockets on the front panel