

Whether for factory or machinery and equipment wiring, the Telegaertner Variant 1, Variant 4 and Variant 5 lines of industrial plug-in connectors offer standards-compliant solutions, which can be flexibly combined with one another without the need for cumbersome adapters. The freely selectable inserts can be used in conjunction with all IP67 protective housings. Nothing is simpler and simultaneously more reliable for today's gigabit-speed plant, machinery and equipment networks.

Heavy Duty



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Light Duty RJ45-Plugs



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Light Duty FO Connectors



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Light Duty Outlets



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Light and Heavy Duty Patch Cords



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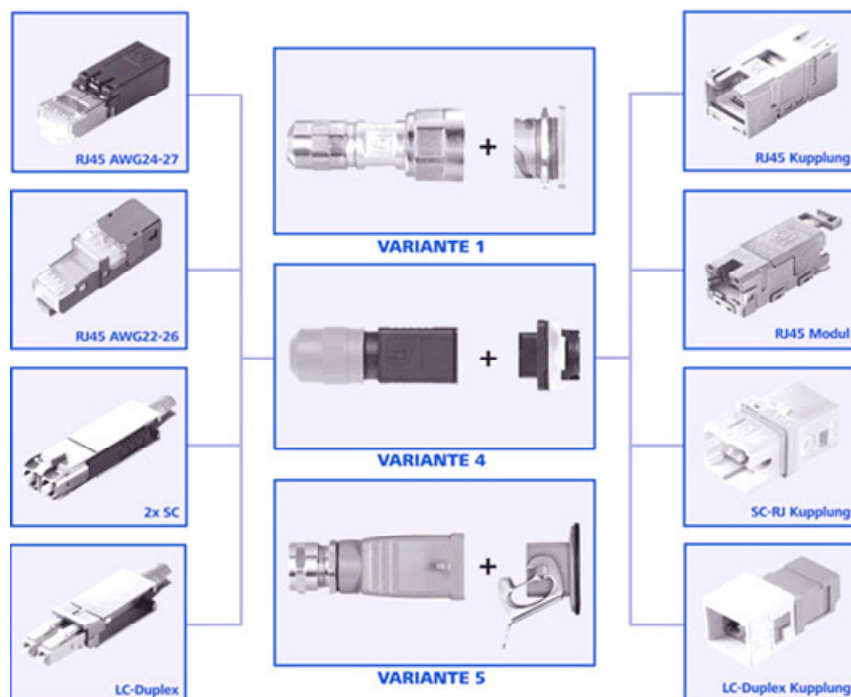


With the new STX generation of connectors Telegaertner has now expanded its offerings for structured building wiring to the industrial sector. Based on proven Telegaertner products for office applications, STX represents a connector concept suitable for industrial environments and guaranteeing users transmission rates up to 40 GB while simultaneously resisting dust, moisture, chemicals as well as mechanical or electromagnetic loads.

The new Telegaertner STX Ethernet connectors, available in Variant 1, Variant 4 and Variant 5 and all with STEADYTEC technology, offer standards-compliant solutions, which can be flexibly combined with one another. This provides greater freedom in component selection and in component application. Aside from the RJ45 inserts, fibre optic connectors for Plastic Optical Fibres (POF), Plastic Clad Fibres (PCF) and Glass Optical Fibres (GOF) in 9 µm, 50 µm and 62.5 µm can all be integrated. Beyond this, a unique selection of versions in either plastic or metal is available. Additionally, all connectors are standardized in accordance with prEN 50173-1 and -3, ISO/IEC 24702, IEC 61918, IEC 61784-5 as well as IEC 61076-3-106.



RELIABLE TECHNOLOGY





The RJ 45 connectors acc. to ISO/IEC 60603-7 are used to terminate either to stranded wire cables AWG 24-27 or solid wire cables with 24-26. The shielded type provides a 360° shielding connection and easy termination with pre-assorting device. The strain relief pressure is thereby absorbed by the cable jacket.

Profit from the maximum flexibility offered by STX. Thanks to its wide range, the product line guarantees you crucial advantages during planning, assembly and ongoing operations for numerous applications. The user has the choice and thus always obtains the product which best suits the given application. Every version – whether with plastic or metal housing – is designed for IP67 protection.



In order to fully prepared Industrial Ethernet for the special challenges presented by this harsh environment, Telegaertner – working together with leading firms from the field – has developed the so-called “STEADYTEC” technology. STEADYTEC stands for a simple, reliable connecting technique for harsh environments. Any product carrying the “STEADYTEC Reliable Technology” logo offers the user full assurance that the connector in question complies with all international standards for Industrial Ethernet: 100 %.



Telegaertner offers FO connectors of protection class IP67 for applications with long transmission lines, high EMI exposure or potentially explosive atmospheres.

To this end, the robust SC mating face has been integrated into a non-crush metal housing; the spring-loaded protective sleeve ensure optimum protection of the fibre end faces.

The connector can be terminated in the field with a standard SC assembly tool set; strain is relieved by a crimp sleeve and the connector sealed by a cable gland. A screwed, captive cap on the connector serves as pulling eye as well as for protection when not connected.



T-SC Connector Singlemode



LC Duplex Connector Singlemode



T-SC Duplex Connector Singlemode



The AMJ modules and coupler, which are commonly used in the office world are effectively protected against ingress of solid impurities measuring more than 1 mm in diameter, as well as against water jets from all directions, by a housing with protection class IP44.

With its compact size the housing cannot only accommodate up to two data outlets, but is also unbreakable.

The grey housing is available with one or two cable entries. A splash-proof transparent label permits identification of the ports. The Terminal Outlet is completed tool-less by snapping in the corresponding modules and coupler into the single or double gang inserts.

Performance Characteristics

- Degree of Protection IP44
- Little space required for two data outlets (75x86x58 mm)
- Unbreakable housing
- Spring-loaded hinged cover for easy access to the jacks
- Either single or double gang insert for modules and coupler
- Port identification via splash-proof, transparent label
- Tool-free mounting (snap-in) of the RJ45 Cat.5e and Cat.6 modules.



For best connection, Telegaertner offers shielded, pre-assembled patch cables with PVC or PUR jacket and an extended temperature range up to 75° C. The assortment includes standard lengths for control cabinet environments with protection class IP20, as well as for terminal outlets in working areas exposed to intensive contamination with protection class IP67 and respectively combined versions.

These cables offer outstanding transmission characteristics with high power reserves, robust strain relief and optimum protection against ambient influences through the use of particularly roust jacket materials.

Performance Characteristics

- Made-to-measure quality production " Made in Germany "
- Short lead times
- Customer's wishes can be realized at short notice
- Labelling to customer's specifications on request
- Delivery with test record for optimum documentation on request
- Proven plug quality for durable, high-quality connections
- Packaging suitable for transport
- Shielded RJ45 plugs acc. to Cat.6 DIN EN 60603-7-5
- The industrial wiring system is designed for meeting future requirements for 8-way terminating and supports Gigabit Ethernet with high power reserves