

FastConnect

On-site assembly.
Quick, easy and error-free.

Further information:

Further information on SIMATIC NET:
www.siemens.com/simatic-net

Information and ordering:
www.siemens.com/automation/mall

Everything about FastConnect:
www.siemens.com/fastconnect

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SIMATIC NET

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SIEMENS

FastConnect. The practical cabling system for industrial use

Stringent requirements apply to the installation of cables in the industrial environment. With FastConnect, Siemens offers a system that meets all these demands: on-site assembly – quick, easy and error-free.

SIMATIC NET is part of Totally Integrated Automation and supports solutions for industrial communication that use the benefits of Ethernet on the one hand and easy fieldbus integration on the other hand. SIMATIC NET stands for a varied range of network components as well as for versatile cabling in the industrial area. This includes the FastConnect system. For fast and error-free assembly or changes on site, Siemens has developed a sophisticated quick assembly system comprising cables, connectors and assembly tools. FastConnect is available for Industrial Ethernet/PROFINET and PROFIBUS, for RJ45, M12 or Sub-D/RS-485 – and now also for fiber-optic cables. For BFOC and SC-duplex up to 3 km in length. FastConnect FO now makes the impossible possible!

FastConnect. Designed for Industry

The electrical FastConnect system comprises cables, a stripping tool and connectors with standardized versions such as RJ45 or M12. For the implementation of a structured cabling for Industrial Ethernet, a variety of outlets are also available. The cables have a special construction that permits the use of a stripping tool. All components are designed to interact perfectly and therefore enable a reliable cabling system to be quickly installed in the industrial environment.

The advantages for you:

Minimization of time spent connecting electrical terminal equipment

- Flexibility achieved by assembling the optimum cable length with the connector to match the respective data terminal directly on site
- Reduction in the planning work involved in ordering preassembled cables
- Easy assembly with just a single tool
- Prevention of errors thanks to color coding and transparent contact covers



FastConnect FO: Revolutionizes the on-site assembly of glass fiber-optic cables

Ethernets based on fiber-optic cables have been commonplace in all areas of network technology for a number of years. Depending on the individual application, different types of fiber are used in the industrial sector. Yet most users avoid the laborious task of assembling connectors, particularly in the case of glass fiber-optic (FO) cable. The new Siemens FastConnect system for fiber-optic cable, however, revolutionizes the assembly of glass fiber-optic cables in the field. The FastConnect FO system now enables even those users with no experience to assemble glass fiber-optic cables to the right length in the field.

FastConnect FO: The complete system:

FastConnect FO consists of new FastConnect cables, field-assembly connectors (SC, BFOC), couplings and a termination kit. The cables are constructed in the same way as normal industry-standard fiber-optic cables. The special features of these cables, however, are the new fibers that enable distances of up to 3 km to be spanned and existing fiber-optic cable device interfaces to be used.

The advantages for you:

Minimization of time spent connecting optical terminal equipment

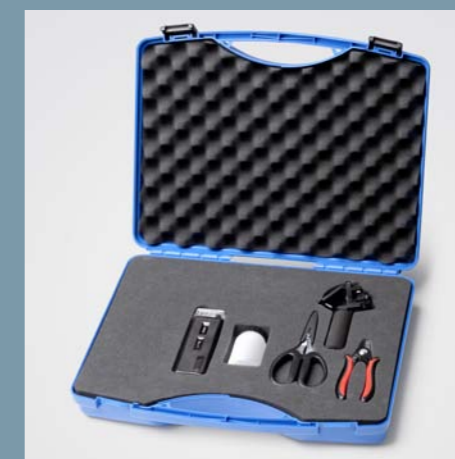
- Waiting time for specialist assembly is eliminated; existing devices with an integral fiber-optic cable interface can still be used without any problems
- No dependence on preassembled connections or on specially qualified personnel
- Project delays due to incorrectly supplied cable lengths or excessive cable in the control cabinet are now a thing of the past
- Poor fiber-optic cable assembly is quickly and reliably detected from chips in the fiber cross section



FastConnect BFOC connector



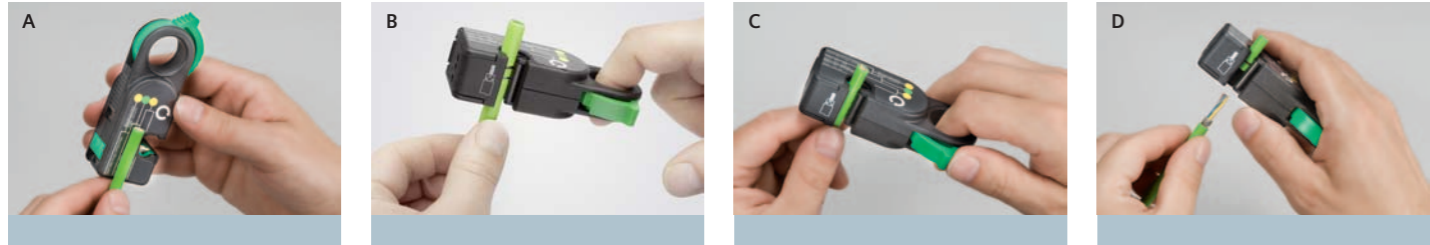
Stripping the FastConnect fiber-optic cable core



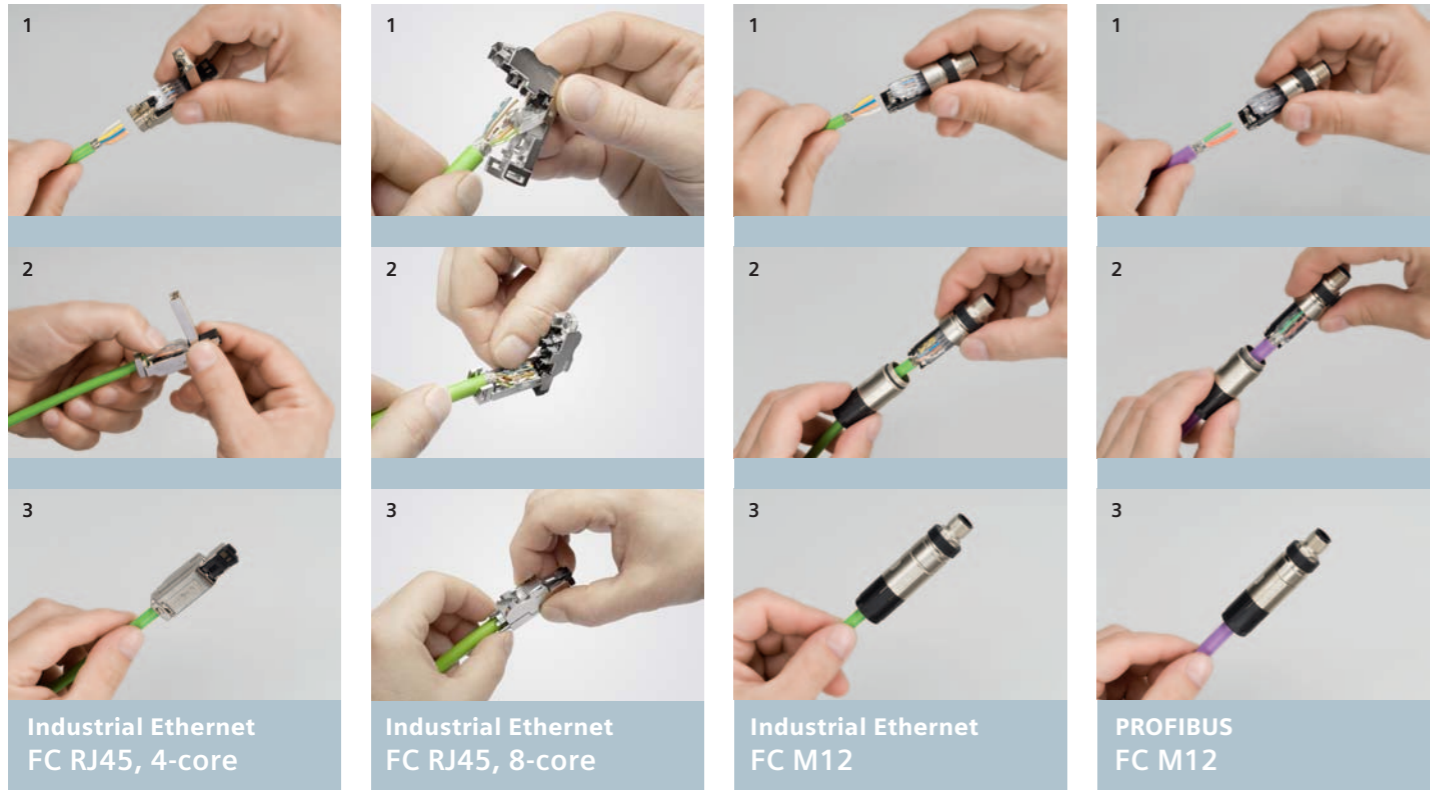
A FastConnect Termination Kit consists of a cleave tool and stripping tool that enable the user to assemble the new FC fiber-optic cables easily in the field. The assembly can then be checked using the microscope also supplied.

A perfect electrical connection
in less than 60 seconds.

Stripping



Assembling

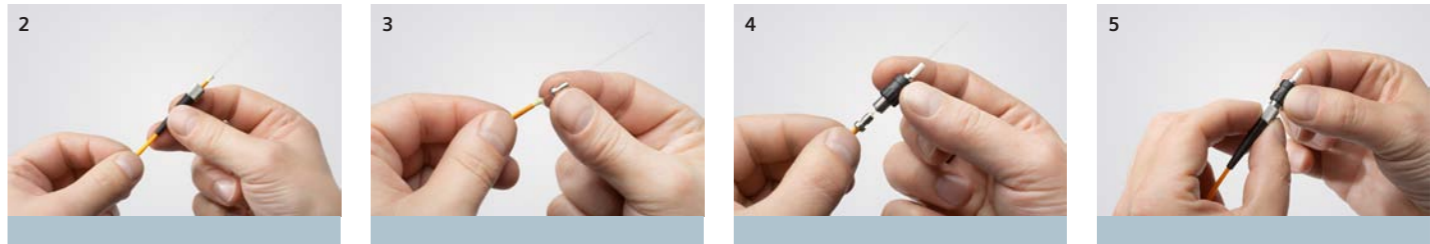


The first optical system
that can be assembled on site.

Stripping



Fitting the connector (2-5)



Cleave tool (6-7)

