

Ordering
overview

Edition
01/2022

SIMATIC NET

Cabling technology for communication networks in industry

based on Industrial Ethernet/PROFINET and PROFIBUS
[siemens.com/fastconnect](https://www.siemens.com/fastconnect)

Cabling technology for communication networks in industry

A faultless on-site connection in 60 seconds with FastConnect

Problems often occur on-site when laying the cabling for industrial plants: when stripping the cable, assembling the plug-in connector, or connecting the cores.

The FastConnect (FC) quick assembly system from Siemens is the right system for:

- Optimally matched components for configuration of industry standard and robust network structures within the shortest possible time and without specialist knowledge
- Minimal amount of time for connecting terminal devices
- Avoidance of installation errors
- Simple on-site assembly
- Reduction of overall costs throughout the entire system lifetime

FastConnect includes cables, connectors and tools, and can be used for Industrial Ethernet, PROFINET, EtherNet/IP as well as for PROFIBUS.

With its optimally matched components, SIMATIC NET cables enable the installation of high-performance industrial network structures.

- Minimal installation time
- Easy stripping of outer sheath and braided shield in one step
- Simple connection system for Industrial Ethernet FastConnect cables
- Easy assembly thanks to preset FastConnect stripping tool

- Reliable shield contacting and strain relief
- M12 and RJ45 connection system for Industrial Ethernet, PROFINET, EtherNet/IP and PROFIBUS

Your benefits with FastConnect

With the FastConnect (FC) system for Industrial Ethernet, structured cabling from the office environment becomes industry-compliant:

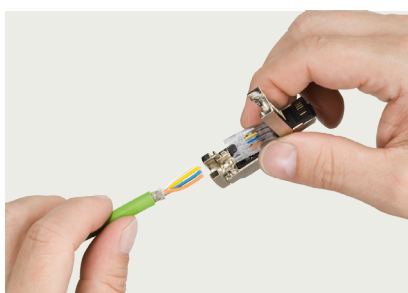
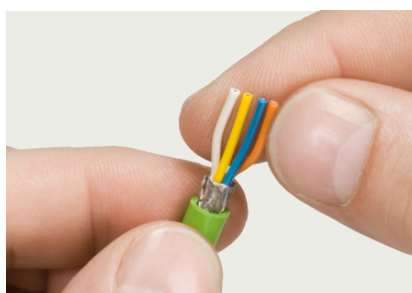
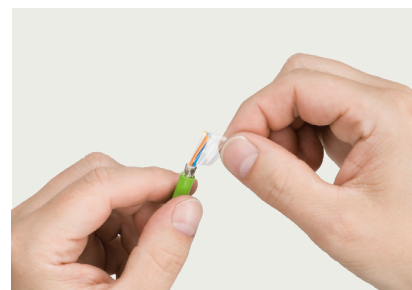
- Coordinated system of FC plug-in connectors and an extensive FC cable spectrum for a wide variety of requirements in the industrial sector and energy automation
- UL approvals for Industrial Ethernet, PROFINET, EtherNet/IP, and PROFIBUS enable worldwide use
- Avoidance of errors thanks to color coding, preset tools, and defined materials
- Reliable shield contacting and strain relief as well as efficient EMC shielding for copper cabling
- Use of standard-compliant connection systems for Industrial Ethernet, PROFINET, EtherNet/IP, and PROFIBUS
- Fulfills environmental requirements in accordance with IEC 61850-3 and EN 45545 fire protection standard in rail vehicles



FastConnect for Industrial Ethernet/PROFINET

Quick connection of FastConnect (FC) RJ45 plug-in connectors 2 × 2 and 4 × 2

The Industrial Ethernet RJ45 plug-in connector for easy on-site assembly of 4- and 8-wire twisted pair FC installation cables (up to 10 Gbps) using the Industrial Ethernet stripping tool



Prefabricated with RJ45 plug-in connector 2 × 2

Cabling technology for communication networks in industry

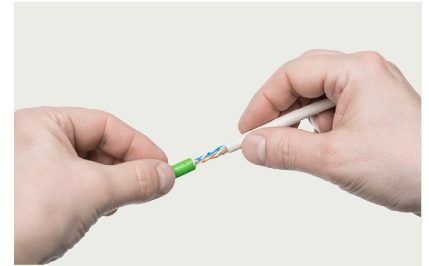
FastConnect for Industrial Ethernet/PROFINET: Prefabricated with RJ45 plug-in connector 4 × 2



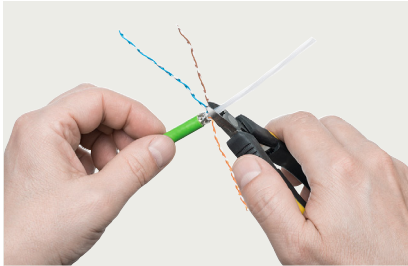
Measure the cable end



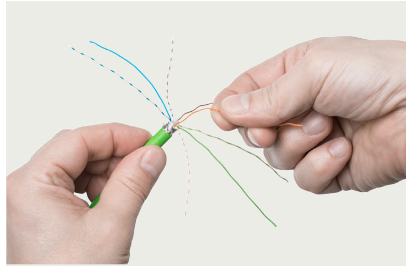
Cut the cable end with the FastConnect stripping tool



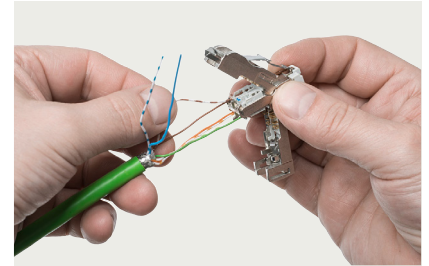
Remove the outer sheath and expose the braided shield



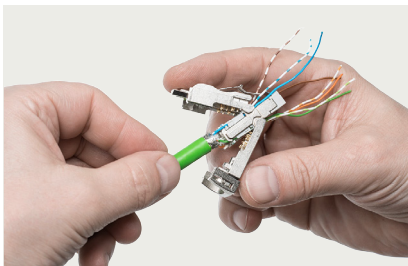
Remove the interior support cross



Unravel and smooth out the twisted wires



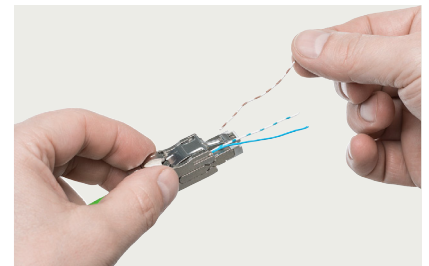
Insert the wires into the plug according to color code and pull them out the opposite side



Press the plug casing to close it



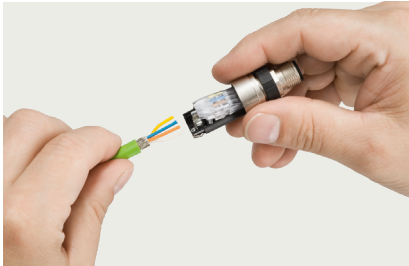
Fasten the casing using a screwdriver



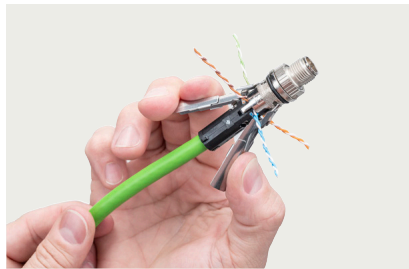
Remove protruding wires

FastConnect (FC) M12 plug-in connector 2 × 2 and 4 × 2

Industrial Ethernet M12 plug-in connector for easy on-site assembly with degree of protection IP65/67 for connecting 4- and 8-wire twisted pair FC installation cables (up to 10 Gbps) using the Industrial Ethernet stripping tool



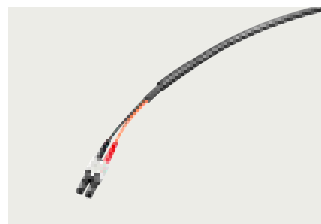
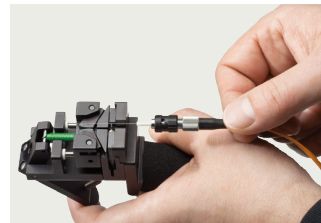
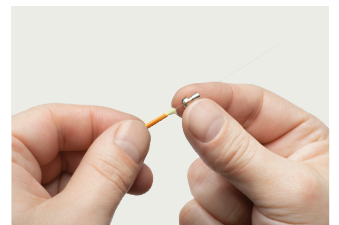
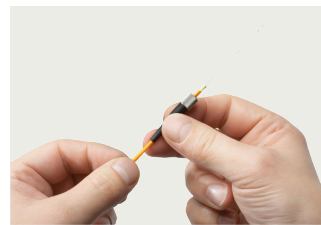
Prefabricated with M12 plug-in connector 2 × 2



Prefabricated with M12 plug-in connector 4 × 2

FastConnect (FC) LC and ST/BFOC plug-in connector

The Industrial Ethernet FastConnect LC and ST/BFOC plug-in connectors for easy on-site assembly of FastConnect glass fiber optic cables (62.5/200/230 μm multimode fibers) for lengths up to 3 km (100/1000 Mbps Industrial Ethernet/PROFIBUS) using the FastConnect FO termination kit



Prefabricated FastConnect for glass fiber optic cables

Cabling technology for communication networks in industry

FastConnect for PROFIBUS

Fast connection of FastConnect (FC) sub-D plug-in connectors

The PROFIBUS (FC) sub-D plug-in connector for easy on-site assembly of 2-wire FC installation cables (up to 12 Mbps) using the PROFIBUS stripping tool



Stripping and assembly using insulation displacement system

FastConnect (FC) M12 plug-in connector

















The PROFIBUS (FC) M12 plug-in connector for easy on-site assembly of 2-wire FC installation cables (up to 12 Mbps) using the PROFIBUS stripping tool









Stripping and assembly with M12 plug-in connector

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Overview






| | | Electrical Industrial Ethernet (IE) cables | | | | | | | | | | | | | |
|---|-------------------------------|---|---|---|---|--|---|---|---|----------------------|---------------------|----------------------|-----------------------------|------------------------|--|
| | | Connection options with connectors, terminals or devices (IE) | | | | | | | | | | | | | |
| | | IE FC cable 4 x 2 | IE FC cable 2 x 2 | IE TP cord 2 x 2 | IE TP cord 4 x 2 | IE connecting cable RJ45 | IE connecting cable M12 | Power cable | | | | | | | |
| | |  |  |  |  |  |  |  | | | | | | | |
| | | IE FC standard cable GP 4 x 2 (AWG22) | IE FC standard cable GP 4 x 2 (AWG24) IE FC flexible cable GP 4 x 2 (AWG24) IE FC trailing cable GP 4 x 2 (AWG24) IE FC ground cable 4 x 2 (AWG24) | IE train cable GP 4 x 2 (AWG24) | IE FC TP cable GP 2 x 2 | IE TP cord 9/RJ45 IE TP cord 9-45/RJ45 IE TP XP cord 9/9 | IE TP cord RJ45/RJ45 IE TP XP cord RJ45/RJ45 | IE FC RJ45 PLUG-180/ IE FC RJ45 PLUG-180 | M12-180/M12-180 M12-180/IE FC RF-45 PLUG-145, M12-90/M12-90 | Power cable 2 x 0.75 | Power cable 5 x 1.5 | Energy Cable 4 x 1.5 | Robust power cable 4 x 0.75 | Control Cable 5 x 0.25 | |
|  | IE FC RJ45 modular outlet | ● | | | | | ● | | | | | | | | |
|  | IE FC outlet RJ45 | | | | ● | ● | ● | | | | | | | | |
|  | IE FC RJ45 plug 2 x 2 | | | | ● | | | | | | | | | | |
| | IE FC RJ45 plug 4 x 2 | | ● | | | | | | | | | | | | |
|  | IE FC Keystone RJ45 | | ● | | | | | | | | | | | | |
|  | M12 power and data connector | A-coded | | | | | | | | ● | | | | ● | |
| | | L-coded | | | | | | | | | | ● | | | |
| | | 2 x 2 D-coded | | | | ● | | | | | | | | | |
| | | 4 x 2 X-coded | | ● | ● | | | | | | | | | | |
| | Devices with M12 connection | | | | | | | | | ● | | | | | |
| | Devices with RJ45 port | | | | | ● | ● | ● | | | | | | | |
|  | Power plug PRO | | | | | | | | | | ● | | | | |
| | Power M12 plug PRO | | | | | | | | | | ● | | ● | | |
|  | Power M12 cable connector PRO | | | | | | | | | | ● | | ● | | |
|  | 7/8 inch plug-in connector | | | | | | | | | | ● | | | | |
|  | IE FC RJ45 plug PRO | | | | ● | | | | | | | | | | |

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| Electrical Industrial Ethernet (IE) cables | | | | |
|---|---|---|------------------------------|---------------|
| | Product | Comments | Article number ¹⁾ | |
| Industrial Ethernet FastConnect cables 2 × 2 with 10/100 Mbps | | | | |
|  | IE FC TP Standard Cable GP (Type A) | Standard bus cable 2 × 2, for permanent installation, rigid cores for fast assembly, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m TP installation cable for connecting to FC outlet RJ45, for universal use, Cat5e | 20 m | 6XV1840-2AH10 |
| | | | 50 m | 6XV1840-2AN20 |
| | | | 100 m | 6XV1840-2AT10 |
| | | | 200 m | 6XV1840-2AT20 |
| | | | 500 m | 6XV1840-2AT50 |
| | 1 000 m | 6XV1840-2AU10 | | |
| | IE FC TP Robust Standard Cable GP (Type A) | Robust standard bus cable 2 × 2, for harsh industrial environments, Cat5e, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | | 6XV1841-2A |
| | IE FC TP Flexible Cable GP (Type B) | Flexible bus cable 2 × 2, for occasionally moved machine parts, Cat5e, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | | 6XV1870-2B |
| | | Flexible bus cable 2 × 2, for occasionally moved machine parts, Cat5e, delivery unit 1 000 m | 1 000 m | 6XV1870-2BU10 |
| | IE FC Robust Flexible Cable GP (Type B) | Robust, flexible bus cable 2 × 2, for harsh industrial environments, Cat5e, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | | 6XV1841-2B |
| | IE FC TP FRNC Cable GP (Type B) | Flexible, halogen-free bus cable 2 × 2, for occasionally moved machine parts, Cat5e, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | | 6XV1871-2F |
| | | | 1 000 m | 6XV1871-2FU10 |
| | IE TP Torsion Cable (Type C) | Torsion cable (PROFINET type C) 2 × 2, for use in highly flexible applications (torsion), Cat5e, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1870-2F |
|  | IE FC TP Trailing Cable (Type C) | TP installation cable for cable carrier applications, 4-core, shielded Cat5e, sold by the meter (4 million bending cycles), max. delivery unit 2 000 m, minimum order quantity 20 m | | 6XV1840-3AH10 |
| | IE FC TP Trailing Cable GP (Type C) | Highly flexible bus cable 2 × 2, continuous motion control in a cable carrier, Cat5e, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | | 6XV1870-2D |
|  | IE Connecting Cable M12-180/M12-180 (D-coded) | Prefabricated flexible connecting cable 2 × 2 with two 4-pin M12 connectors (D-coded), for connecting Industrial Ethernet devices (e.g., SIMATIC ET 200pro, SCALANCE X208PRO, SCALANCE XP-200) in degree of protection IP65/IP67, preferred length | 0.3 m | 6XV1870-8AE30 |
| | | | 0.5 m | 6XV1870-8AE50 |
| | | | 1.0 m | 6XV1870-8AH10 |
| | | | 1.5 m | 6XV1870-8AH15 |
| | | | 2.0 m | 6XV1870-8AH20 |
| | | | 3.0 m | 6XV1870-8AH30 |
| | | | 5.0 m | 6XV1870-8AH50 |
| | | | 10 m | 6XV1870-8AN10 |
| | | | 15 m | 6XV1870-8AN15 |
| | | | 20 m | 6XV1870-8AN20 |
| | | | 30 m | 6XV1870-8AN30 |
|  | IE Connecting Cable M12-90/M12-90 (D-coded) | Prefabricated connecting cable 2 × 2, with two M12 connectors (D-coded), 90° cable outlet | 0.3 m | 6XV1870-8GE30 |
| | | | 0.5 m | 6XV1870-8GE50 |
| | | | 1.0 m | 6XV1870-8GH10 |
| | | | 1.5 m | 6XV1870-8GH15 |
| | | | 2.0 m | 6XV1870-8GH20 |
| | | | 3.0 m | 6XV1870-8GH30 |
| | | | 5.0 m | 6XV1870-8GH50 |
|  | IE Connecting Cable M12-180/M12-180 (D-coded, Push Pull) | Prefabricated with IE FC Trailing Cable GP, M 12 connectors (D-coded, push pull) | 0.5 m | 6XV1871-8AE50 |
| | | | 1.0 m | 6XV1871-8AH10 |
| | | | 1.5 m | 6XV1871-8AH15 |
| | | | 2.0 m | 6XV1871-8AH20 |
| | | | 3.0 m | 6XV1871-8AH30 |
| | | | 5.0 m | 6XV1871-8AH50 |
|  | IE Connecting Cable M12-180/IE FC RJ45 Plug 145 (D-coded) | Prefabricated flexible connecting cable 2 × 2, with one 4-pin M12 connector (D-coded) and one IE FC RJ45 plug 145, for connecting Industrial Ethernet devices (e.g., SIMATIC ET 200pro, SCALANCE X208PRO, SCALANCE XP-200 and SIMOTION), preferred length | 10.0 m | 6XV1871-8AN10 |
| | | | 15.0 m | 6XV1871-8AN15 |
| | | | 2.0 m | 6XV1871-5TH20 |
| | | | 3.0 m | 6XV1871-5TH30 |
| | | | 5.0 m | 6XV1871-5TH50 |
| | | | 10 m | 6XV1871-5TN10 |
| | | | 15 m | 6XV1871-5TN15 |

| Electrical Industrial Ethernet (IE) cables | | | | | |
|--|--|--|---|------------------------------|---------------|
| | Product | Comments | | Article number ¹⁾ | |
| Industrial Ethernet FastConnect cables 2 × 2 with 10/100 Mbps (continued) | | | | | |
| | IE Connecting Cable M12-90/ IE FC RJ45 Plug-180 (D-coded) | Prefabricated IE FC TP trailing cable GP 2 × 2 (PROFINET type C) with M12 connector (D-coded, 90° cable outlet) and with IE FC RJ45 plug 180 | 5.0 m | 6XV1871-5MH50 | |
| | | IE Connecting Cable IE FC RJ45 Plug 180/ IE FC RJ45 Plug 180 | Prefabricated IE FC TP trailing cable GP 2 × 2 (PROFINET type C) with two IE FC RJ45 plugs 180, degree of protection IP20 | 1.0 m | 6XV1871-5BH10 |
| | | | | 2.0 m | 6XV1871-5BH20 |
| | | | | 3.0 m | 6XV1871-5BH30 |
| | | | | 5.0 m | 6XV1871-5BH50 |
| | | | | 10 m | 6XV1871-5BN10 |
| | | | | 12 m | 6XV1871-5BN12 |
| | | | | 15 m | 6XV1871-5BN15 |
| | | | | 20 m | 6XV1871-5BN20 |
| 30 m | 6XV1871-5BN30 | | | | |
| | IE FC TP Robust Food Cable GP (Type C) | TP installation cable 2 × 2 for use in the food, beverages and tobacco industry, IP69, Cat5e, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1881-2A | |
| | IE Robust Connecting Cable M12, IP69 (D-coded) | Prefabricated IE robust connecting cable 2 × 2 M12-180/M12-180, IP69, with two M12 connectors (D-coded) | 1.0 m | 6XV1881-5AH10 | |
| | | | 2.0 m | 6XV1881-5AH20 | |
| | | | 3.0 m | 6XV1881-5AH30 | |
| | | | 5.0 m | 6XV1881-5AH50 | |
| | IE FC TP Food Cable (Type C) | Flexible bus cable 2 × 2 for use in the food, beverages and tobacco industry, Cat5e, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1871-2L | |
| | IE FC TP Marine Cable (Type B) | Bus cable 2 × 2 for marine and offshore use, Cat5e, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1840-4AH10 | |
| | IE FC TP Festoon Cable GP (Type B) | Bus cable 2 × 2 for festoon mounting, Cat5e, sold by the meter (min. 5 million bending cycles), max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1871-2S | |
| | IE TP Ground Cable (Type C) | Bus cable 2 × 2 for permanent installation in the ground, Cat5e, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1871-2G | |
| | IE Robust Ground Cable (Type C) | IE robust ground cable 2 × 2, underground laying cable, 4-core shielded with rodent protection, Cat5e, sold by the meter, delivery unit max. 1 000 m, minimum order 20 m | | 6XV1871-2N | |
| | IE TP Train Cable GP (Type C) | Bus cable 2 × 2 for special applications in trains, certified for railway applications, Cat5e, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1871-2T | |
| Industrial Ethernet FastConnect cables 4 × 2 for 1 Gbps and 10 Gbps | | | | | |
| | IE FC TP Standard Cable GP | Standard bus cable 4 × 2, AWG22, standard cable with rigid cores for fast assembly, for permanent installation, Cat6A, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1870-2E | |
| | IE FC TP Standard Cable GP (Type C) | Standard bus cable 4 × 2, AWG24, standard cable with rigid cores for fast assembly, for permanent installation, Cat6A, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1878-2A | |
| | | | 1 000 m | 6XV1878-2AU10 | |
| | IE FC TP Flexible Cable GP (Type C) | Bus cable 4 × 2, AWG24/7, with flexible cores, flexible cable for fast installation, for occasionally moved machine parts, Cat6A, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1878-2B | |
| | IE TP Train Cable GP | Bus cable 4 × 2, AWG24/7, with flexible cores, for use in trains, certified for railway applications, Cat7, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1878-2T | |
| | IE FC TP Trailing Cable GP (Type C) | FastConnect TP trailing cable GP 4 × 2, TP installation cable Cat6A, for connecting to IE FC RJ45 plug 4 × 2, AWG24, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1878-2C | |
| | | | 2.0 m | 6XV1878-5BH20 | |
| | | | 3.0 m | 6XV1878-5BH30 | |
| | | | 5.0 m | 6XV1878-5BH50 | |
| | | | 10 m | 6XV1878-5BN10 | |
| | | | 15 m | 6XV1878-5BN15 | |
| | | | 20 m | 6XV1878-5BN20 | |
| | | | 25 m | 6XV1878-5BN25 | |
| | | | 30 m | 6XV1878-5BN30 | |
| | IE Connecting Cable RJ45-180/ RJ45-180 | Prefabricated IE FC flexible cable GP 4 × 2, with two IE FC RJ45 plugs 180 4 × 2 | | | |
| | IE FC TP Ground Cable (Type C) | Ground extension cable 4 × 2, shielded cable for connecting to IE FC RJ45 plug 4 × 2, AWG24, Cat6A, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1878-2G | |

| Electrical Industrial Ethernet (IE) cables | | | | |
|---|---|--|------------------------------|---------------|
| | Product | Comments | Article number ¹⁾ | |
| IE hybrid cable | | | | |
|  | IE Hybrid Cable | Ethernet hybrid cable 2 x 2 + 4 x 0.34, for transmission of data and power, Cat5, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1870-2J | |
| Power cables | | | | |
|  | Control Cable ET200ecoPN 5 x 0.25 | 5-core power line, stranded wire, 5 x AWG24, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1801-2C | |
|  | Power Cable 2 x 0.75 | Power cable for connection of signaling contact and 24 V power supply to SCALANCE X and SCALANCE W, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1812-8A | |
|  | Power Cable 5 x 1.5 | Power cable, power supply for ET 200 modules, with 7/8 power interface, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-8AH10 | |
|  | Robust Power Cable 4 x 0.75 | Robust power cable, for use in the food, beverages and tobacco industry, IP69, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1801-2A | |
|  | Energy Cable 4 x 1.5 | 4-core power line, stranded wire, 4 x 1.5 mm ² , trailable, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1801-2B | |
|  | M12 Robust Power Connecting Cable M12-180/M12-180 (A-coded) | Prefabricated robust power plug-in cable, IP69, for power supply of the ET 200, with M12 connector and M12 socket (A-coded) | 1.0 m | 6XV1801-5AH10 |
| | | | 2.0 m | 6XV1801-5AH20 |
| | | | 3.0 m | 6XV1801-5AH30 |
| | | | 5.0 m | 6XV1801-5AH50 |
|  | M12 Power Connecting Cable M12-180/M12-1802) (A-coded) | Prefabricated flexible plug-in cable, with one 4-pin M12 male/female connector (A-coded), plug-in cable for connecting the 24 V power supply to ET 200eco PN in degree of protection IP65/67, preferred length | 0.3 m | 6XV1801-5DE30 |
| | | | 0.5 m | 6XV1801-5DE50 |
| | | | 1.0 m | 6XV1801-5DH10 |
| | | | 1.5 m | 6XV1801-5DH15 |
| | | | 2.0 m | 6XV1801-5DH20 |
| | | | 3.0 m | 6XV1801-5DH30 |
| | | | 5.0 m | 6XV1801-5DH50 |
| | | | 10 m | 6XV1801-5DN10 |
| 15 m | 6XV1801-5DN15 | | | |
|  | M12 Power Connecting Cable M12-90/M12-90 (A-coded) | Prefabricated power plug-in cable 2 x 2, for power supply of the ET 200, with M12 connector and M12 socket (A-coded) | 0.3 m | 6XV1801-5GE30 |
| | | | 0.5 m | 6XV1801-5GE50 |
| | | | 1.0 m | 6XV1801-5GH10 |
| | | | 1.5 m | 6XV1801-5GH15 |
| | | | 2.0 m | 6XV1801-5GH20 |
| | | | 3.0 m | 6XV1801-5GH30 |
| | | | 5.0 m | 6XV1801-5GH50 |
| 10 m | 6XV1801-5GN10 | | | |
| 15 m | 6XV1801-5GN15 | | | |
|  | 7/8" Plug-in Cable | Prefabricated 7/8" power plug-in cable, for power supply of the ET 200 with 7/8" connector and 7/8" socket | 0.3 m | 6XV1822-5BE30 |
| | | | 0.5 m | 6XV1822-5BE50 |
| | | | 1.0 m | 6XV1822-5BH10 |
| | | | 1.5 m | 6XV1822-5BH15 |
| | | | 2.0 m | 6XV1822-5BH20 |
| | | | 3.0 m | 6XV1822-5BH30 |
| | | | 5.0 m | 6XV1822-5BH50 |
| 10 m | 6XV1822-5BN10 | | | |
| 15 m | 6XV1822-5BN15 | | | |
|  | Power Connecting Cable M12-180/M12-180 (L-coded) | Power supply, harness cable with M12 connector and M12 socket (L-coded), 4-pole | 0.5 m | 6XV1801-6DE50 |
| | | | 1.0 m | 6XV1801-6DH10 |
| | | | 1.5 m | 6XV1801-6DH15 |
| | | | 2.0 m | 6XV1801-6DH20 |
| | | | 3.0 m | 6XV1801-6DH30 |
| | | | 5.0 m | 6XV1801-6DH50 |
| 10 m | 6XV1801-6DN10 | | | |
| 15 m | 6XV1801-6DN15 | | | |



| Electrical Industrial Ethernet (IE) cables | | | | |
|---|---|--|-------|------------------------------|
| | Product | Comments | | Article number ¹⁾ |
| Power cables (continued) | | | | |
|  | Power Connecting Cable M12-90/M12-90 (L-coded) | Power supply of the ET200, harness cable with M12 connector and M12 socket (L-coded), 4-pole | 0.5 m | 6XV1801-6GE50 |
| | | | 1.0 m | 6XV1801-6GH10 |
| | | | 1.5 m | 6XV1801-6GH15 |
| | | | 2.0 m | 6XV1801-6GH20 |
| | | | 3.0 m | 6XV1801-6GH30 |
| | | | 5.0 m | 6XV1801-6GH50 |
| | | | 10 m | 6XV1801-6GN10 |
| | | | 15 m | 6XV1801-6GN15 |
|  | Control Connecting Cable M12-180/M12-180 (A-coded) | 5-core, IO link port class B, prefabricated with M12 connector and M12 socket (A-coded), straight cable duct | 0.5 m | 6XV1801-2CE50 |
| | | | 1.0 m | 6XV1801-2CH10 |
| | | | 1.5 m | 6XV1801-2CH15 |
| | | | 2.0 m | 6XV1801-2CH20 |
| | | | 3.0 m | 6XV1801-2CH30 |
| | | | 5.0 m | 6XV1801-2CH50 |
| | | | 10 m | 6XV1801-2CN10 |
| | | | 15 m | 6XV1801-2CN15 |
| IE TP cord – Easy connection of terminal devices to the IE FC cabling system | | | | |
|  | IE TP Cord RJ45/RJ45 | Prefabricated 8-wire Cat6A patch cable 4 x 2, with two RJ45 connectors, preferred length | 0.3 m | 6XV1870-3QE30 |
| | | | 0.5 m | 6XV1870-3QE50 |
| | | | 1.0 m | 6XV1870-3QH10 |
| | | | 2.0 m | 6XV1870-3QH20 |
| | | | 3.0 m | 6XV1870-3QH30 |
| | | | 4.0 m | 6XV1870-3QH40 |
| | | | 6.0 m | 6XV1870-3QH60 |
| | | | 10 m | 6XV1870-3QN10 |
| | | | 15 m | 6XV1870-3QN15 |
| | | | 20 m | 6XV1870-3QN20 |
| | | | 25 m | 6XV1870-3QN25 |
| | | | 30 m | 6XV1870-3QN30 |
| | | | 35 m | 6XV1870-3QN35 |
| | | | 40 m | 6XV1870-3QN40 |
| 45 m | 6XV1870-3QN45 | | | |
| 50 m | 6XV1870-3QN50 | | | |
|  | IE TP Cord M12-180/RJ45-180 (X-coded) | Prefabricated IE Flexible Cable, with 1 x M12 connector (X-coded), 180° cable outlet and 1 x RJ45 connector, 180° cable outlet | 0.5 m | 6XV1878-5TE50 |
| | | | 1.0 m | 6XV1878-5TH10 |
| | | | 1.5 m | 6XV1878-5TH15 |
| | | | 2.0 m | 6XV1878-5TH20 |
| | | | 3.0 m | 6XV1878-5TH30 |
| | | | 5.0 m | 6XV1878-5TH50 |
| | | | 10 m | 6XV1878-5TN10 |
| | | | 15 m | 6XV1878-5TN15 |
| | | | 30 m | 6XV1878-5TN30 |
| 50 m | 6XV1878-5TN50 | | | |
|  | IE TP Cord M12-90/RJ45-180 (X-coded) | Prefabricated IE Flexible Cable with 1 x M12 connector (X-coded), 90° cable outlet and 1 x RJ45 connector, 90° cable outlet | 0.5 m | 6XV1878-5SE50 |
| | | | 1.0 m | 6XV1878-5SH10 |
| | | | 1.5 m | 6XV1878-5SH15 |
| | | | 2.0 m | 6XV1878-5SH20 |
| | | | 3.0 m | 6XV1878-5SH30 |
| | | | 5.0 m | 6XV1878-5SH50 |
| | | | 10 m | 6XV1878-5SN10 |
| 15 m | 6XV1878-5SN15 | | | |






| Electrical Industrial Ethernet (IE) cables | | | | |
|---|------------------------------------|---|-------|------------------------------|
| | Product | Comments | | Article number ¹⁾ |
| IE TP cord – Easy connection of terminal devices to the IE FC cabling system (continued) | | | | |
|  | IE TP XP Cord RJ45/RJ45 | Prefabricated twisted 8-wire Cat6A patch cable 4 x 2, with two RJ45 connectors, preferred length | 0.5 m | 6XV1870-3RE50 |
| | | | 1.0 m | 6XV1870-3RH10 |
| | | | 2.0 m | 6XV1870-3RH20 |
| | | | 6.0 m | 6XV1870-3RH60 |
| | | | 10 m | 6XV1870-3RN10 |
| | IE TP Converter Cord 15/RJ45 | Prefabricated TP connecting cable 2 x 2, for connecting terminal devices with RJ45 interface to the ITP cabling system, with a 15-pin sub-D socket with slide locking and an RJ45 connector | 0.5 m | 6XV1850-2EE50 |
| | | | 2.0 m | 6XV1850-2EH20 |
|  | IE TP Cord RJ45/15 | Prefabricated TP cable 2 x 2, with one 15-pin sub-D connector and one RJ45 connector | 0.5 m | 6XV1850-2LE50 |
| | | | 1.0 m | 6XV1850-2LH10 |
| | | | 2.0 m | 6XV1850-2LH20 |
| | | | 6.0 m | 6XV1850-2LH60 |
| | IE TP Cord 9/RJ45 | Prefabricated TP cable 2 x 2, with one 9-pin sub-D connector male and one RJ45 connector | 10 m | 6XV1850-2LN10 |
| | | | 0.5 m | 6XV1850-2JE50 |
| | | | 1.0 m | 6XV1850-2JH10 |
| | | | 2.0 m | 6XV1850-2JH20 |
| | IE TP Cord 9/RJ45 | Prefabricated TP cable 2 x 2, with one 9-pin sub-D connector male and one RJ45 connector | 6.0 m | 6XV1850-2JH60 |
| | | | 10 m | 6XV1850-2JN10 |
| | | | | |
| | IE TP XP Cord 9/9 | Prefabricated twisted TP cable 2 x 2, for direct connection of two IE network components with ITP interface, with two 9-pin sub-D connectors | 1.0 m | 6XV1850-2RH10 |
|  | IE TP Cord M12/M12 (X-coded) | Prefabricated flexible Cat6A cable 4 x 2, with two M12 connectors (X-coded) | 0.3 m | 6XV1878-5HE30 |
| | | | 0.5 m | 6XV1878-5HE50 |
| | | | 1.0 m | 6XV1878-5HH10 |
| | | | 1.5 m | 6XV1878-5HH15 |
| | | | 2.0 m | 6XV1878-5HH20 |
| | | | 3.0 m | 6XV1878-5HH30 |
| | | | 5.0 m | 6XV1878-5HH50 |
| | | | 10 m | 6XV1878-5HN10 |
| | | | 15 m | 6XV1878-5HN15 |
| | | | 30 m | 6XV1878-5HN30 |
| | | | 50 m | 6XV1878-5HN50 |
| 80 m | 6XV1878-5HN80 | | | |
|  | IE TP Cord M12-90/M12-90 (X-coded) | Prefabricated Cat6A IE flexible cable, with two M12 connectors (X-coded), 90° cable outlet | 0.5 m | 6XV1878-5GE50 |
| | | | 1.0 m | 6XV1878-5GH10 |
| | | | 1.5 m | 6XV1878-5GH15 |
| | | | 2.0 m | 6XV1878-5GH20 |
| | | | 3.0 m | 6XV1878-5GH30 |
| | | | 5.0 m | 6XV1878-5GH50 |
| | | | 10 m | 6XV1878-5GN10 |
| 15 m | 6XV1878-5GN15 | | | |




| | | Optical Industrial Ethernet (IE) cables | | | | | | | | | | | |
|--|------------------------------------|---|---|--|---|--|--|---|---|--------------------------------------|---|--|-------------------------------------|
| | | Connection options with connectors, terminals or devices | | | | | | | | | | | |
| | | Fiber optic cables 50/125/1 400 µm | Fiber optic cables 62.5/125 µm | PCF fiber optic cables 200/230 µm | Fiber optic cables with ST/BFOC connector | Fiber optic cables with SC connector | Fiber optic cables with LC connector | POF fiber optic cables 980/1 000 µm | Fiber optic cable with SC RJ connector | Fiber optic cables with LC connector | Fiber optic cables with FC connector | | |
| | | | | | | | | | | | | | |
| | | FO standard cable GP FO trailing cable GP FO ground cable | Fiber optic standard cable INDOOR fiber optic cable Flexible fiber optic trailing cable SIENOPYR marine duplex fiber optic cable | PCF standard cable GP PCF trailing cable GP | Prefabricated fiber optic cables with ST/BFOC connector | Prefabricated fiber optic cables with SC connector | Prefabricated fiber optic cables with LC connector | POF standard cable GP POF trailing cable | Prefabricated fiber optic cables with SC RJ connector | FO rugged cable GP (4E9/1 25/900) | FO rugged cable GP (50/125/900) FO standard cable GP (50/1 25) FO trailing cable GP (50/1 25) | FO FC standard cable GP (62.5/200/230) | FO FC trailing cable (62.5/200/230) |
| | ST/BFOC connector | ● | ● | | | | | | | | | | |
| | IE devices with ST/BFOC connection | | | | ● | | | | | | | | |
| | SC connector | ● | ● | | | | | | | | | | |
| | SC connector | | | | | | ● | | | | | | |
| | IE devices with SC connection | | | | | ● | | | | | | | |
| | IE Devices with LC connection | | | | | | ● | | | | | | |
| | SC RJ connector | | | ● | | | | ● | | | | | |
| | IE Devices with SC RJ connection | | | | | | | | ● | | | | |
| | IE SC RJ POF plug PRO | | | | | | | ● | | | | | |
| | IE SC RJ PCF plug PRO | | | ● | | | | | | | | | |
| | Multimode FO LC plug | | | | | | | | | | ● | | |
| | FO FC ST/BFOC plug | | | | | | | | | | | ● | ● |
| | FO FC LC plug | | | | | | | | | | | ● | ● |

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Note:
See page 17 for our portfolio of prefabricated fiber optic cords (adapter cables) with a range of connection options

| Optical Industrial Ethernet (IE) cables | | | | | |
|---|--|---|---|---------------|---------------|
| | Product | Comments | Article number ¹⁾ | | |
| FC glass fiber optic cables | | | | | |
|  | FC FO Standard Cable GP 62.5/200/230 (OM1) | Glass fiber optic cable for assembly in the field, for use at permanent location, installation in cable channels and pipes, UL approval, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1847-2A | | |
| | FC FO Trailing Cable 62.5/200/230 (OM1) | Flexible glass fiber optic cable for assembly in the field, for high mechanical loads, for use in cable carriers indoors and outdoors, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1847-2C | | |
| Glass fiber optic cables | | | | | |
|  | FO Standard Cable GP 50/125/1400 (OM2++) | Glass fiber optic cable for use indoors and outdoors, UL approval, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1873-2A | |
| | | | Prefabricated with 2 × 2 ST/BFOC connectors | 0.5 m | 6XV1873-3AH05 |
| | | | | 1.0 m | 6XV1873-3AH10 |
| | | | | 2.0 m | 6XV1873-3AH20 |
| | | | | 3.0 m | 6XV1873-3AH30 |
| | | | | 5.0 m | 6XV1873-3AH50 |
| | | | | 10 m | 6XV1873-3AN10 |
| | | | | 15 m | 6XV1873-3AN15 |
| | | | | 20 m | 6XV1873-3AN20 |
| | | | | 30 m | 6XV1873-3AN30 |
| | | | | 40 m | 6XV1873-3AN40 |
| | | | | 50 m | 6XV1873-3AN50 |
| | | | | 80 m | 6XV1873-3AN80 |
| | | 100 m | | 6XV1873-3AT10 | |
| | | 150 m | | 6XV1873-3AT15 | |
| | | 200 m | | 6XV1873-3AT20 | |
| | | 300 m | | 6XV1873-3AT30 | |
| | | Prefabricated with 2 × LC duplex connectors | | 1.0 m | 6XV1873-5AH10 |
| | | | | 2.0 m | 6XV1873-5AH20 |
| | | | 3.0 m | 6XV1873-5AH30 | |
| | | | 5.0 m | 6XV1873-5AH50 | |
| | | | 10 m | 6XV1873-5AN10 | |
| | | | 15 m | 6XV1873-5AN15 | |
| | | | 20 m | 6XV1873-5AN20 | |
| | | | 30 m | 6XV1873-5AN30 | |
| | | | 40 m | 6XV1873-5AN40 | |
| | | | 50 m | 6XV1873-5AN50 | |
| | | | 80 m | 6XV1873-5AN80 | |
| | | | 100 m | 6XV1873-5AT10 | |
| | | Prefabricated with 2 × SC duplex connectors | 0.5 m | 6XV1873-6AH05 | |
| | | | 1.0 m | 6XV1873-6AH10 | |
| | | | 2.0 m | 6XV1873-6AH20 | |
| | | | 3.0 m | 6XV1873-6AH30 | |
| | | | 5.0 m | 6XV1873-6AH50 | |
| | | | 10 m | 6XV1873-6AN10 | |
| | | | 15 m | 6XV1873-6AN15 | |
| 20 m | 6XV1873-6AN20 | | | | |
| 30 m | 6XV1873-6AN30 | | | | |
| 40 m | 6XV1873-6AN40 | | | | |
| 50 m | 6XV1873-6AN50 | | | | |
| 80 m | 6XV1873-6AN80 | | | | |
| 100 m | 6XV1873-6AT10 | | | | |
| 150 m | 6XV1873-6AT15 | | | | |
| 200 m | 6XV1873-6AT20 | | | | |
| 300 m | 6XV1873-6AT30 | | | | |

| Optical Industrial Ethernet (IE) cables | | | | |
|---|---|---|---|---------------|
| | Product | Comments | Article number ¹⁾ | |
| Glass fiber optic cables (continued) | | | | |
|  | FO FRNC Cable 50/125/1400 (OM2++) | Glass fiber optic cable, halogen-free cable for use indoors and outdoors, for permanent installation, UL approval, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1873-2B | |
| | FO FRNC Cable 50/125/1400 (OM4) | Glass fiber optic cable, halogen-free cable for use indoors and outdoors, for permanent installation, UL approval, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1873-2E | |
| | FO Trailing Cable 50/125/1400 (OM2++) | Prefabricated with 2 × 2 ST/BFOC connectors | Glass fiber optic cable, flexible cable for use in cable carriers with high mechanical load, no UL approval, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1873-2C |
| | | | 3.0 m | 6XV1873-3CH30 |
| | | | 5.0 m | 6XV1873-3CH50 |
| | | | 10 m | 6XV1873-3CN10 |
| | | | 20 m | 6XV1873-3CN20 |
| | | | 50 m | 6XV1873-3CN50 |
| | | Prefabricated with 2 × LC duplex connectors | 5.0 m | 6XV1873-5CH50 |
| | | | 10 m | 6XV1873-5CN10 |
| | | | 15 m | 6XV1873-5CN15 |
| | | | 20 m | 6XV1873-5CN20 |
| | Prefabricated with 2 × SC duplex connectors | 3.0 m | 6XV1873-6CH30 | |
| | | 5.0 m | 6XV1873-6CH50 | |
| 10 m | | 6XV1873-6CN10 | | |
| 20 m | | 6XV1873-6CN20 | | |
|  | FO Trailing Cable GP 50/125/1400 (OM2++) | Trailing cable, segmentable, without connector, UL approval, sold by the meter, max. unit of delivery 1 000 m, minimum order quantity 20 m | 6XV1873-2D | |
| | | Prefabricated with 2 × 2 ST/BFOC connectors, preferred length | 3.0 m | 6XV1873-3DH30 |
| | | | 5.0 m | 6XV1873-3DH50 |
| | | | 10 m | 6XV1873-3DN10 |
| | | | 20 m | 6XV1873-3DN20 |
| | | FO Trailing Cable GP 50/125/1400 (OM2++) | Prefabricated with 2 × SC duplex connectors, preferred length | 50 m |
| | 100 m | | | 6XV1873-3DT10 |
| | 3.0 m | | | 6XV1873-6DH30 |
| | 5.0 m | | | 6XV1873-6DH50 |
| | FO Trailing Cable GP 50/125/1400 (OM2++) | Prefabricated with 2 × SC duplex connectors, preferred length | 10 m | 6XV1873-6DN10 |
| 20 m | | | 6XV1873-6DN20 | |
| 50 m | | | 6XV1873-6DN50 | |
| 100 m | | | 6XV1873-6DT10 | |
|  | FO Ground Cable 50/125/1400 (OM2++) | Glass fiber optic cable, waterproof lengthwise and sideways with non-metallic protection against rodents, for use outdoors as well as for direct installation in the ground, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | 6XV1873-2G | |
| | | Prefabricated with 2 × 2 ST/BFOC connectors, preferred length | 100 m | 6XV1873-3GT10 |
| | | | 200 m | 6XV1873-3GT20 |
| | | | 300 m | 6XV1873-3GT30 |
| | | Prefabricated with 2 × SC duplex connectors, preferred length | 100 m | 6XV1873-6GT10 |
| | | | 200 m | 6XV1873-6GT20 |
| 300 m | 6XV1873-6GT30 | | | |
|  | FO Robust Cable GP 50/125/900 (OM2++) | Glass fiber optic cable, waterproof lengthwise and sideways with non-metallic protection against rodents, for use indoors and outdoors as well as for direct installation in the ground, multimode, sold by the meter | 6XV1873-2R | |
| | | Prefabricated with 2 × LC duplex connectors | 1.0 m | 6XV1873-5RH10 |
| | | | 2.0 m | 6XV1873-5RH20 |
| | | | 3.0 m | 6XV1873-5RH30 |
| | | | 10 m | 6XV1873-5RN10 |
| | | | 30 m | 6XV1873-5RN30 |
| | | | 50 m | 6XV1873-5RN50 |
| 100 m | 6XV1873-5RT10 | | | |
| 150 m | 6XV1873-5RT15 | | | |
|  | FO Robust Cable GP 4E9/125/900 | Glass fiber optic cable, waterproof lengthwise and sideways with non-metallic protection against rodents, for use indoors and outdoors as well as for direct installation in the ground, singlemode, sold by the meter | 6XV1843-2R | |

| Optical Industrial Ethernet (IE) cables | | | |
|---|---|---|------------------------------|
| | Product | Comments | Article number ¹⁾ |
| Glass fiber optic cables (continued) | | | |
|  | FO Standard Cable 62.5/125/900 (OM1) | Fiber optic flexible cable, for use indoors and outdoors, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | 6XV1820-5AH10 |
| | | | 1.0 m |
| | | 2.0 m | 6XV1820-5BH20 |
| | | 3.0 m | 6XV1820-5BH30 |
| | | 4.0 m | 6XV1820-5BH40 |
| | | 5.0 m | 6XV1820-5BH50 |
| | | 10 m | 6XV1820-5BN10 |
| | | 15 m | 6XV1820-5BN15 |
| | | 20 m | 6XV1820-5BN20 |
| | | 30 m | 6XV1820-5BN30 |
| | | 40 m | 6XV1820-5BN40 |
| | | 50 m | 6XV1820-5BN50 |
| | | 55 m | 6XV1820-5BN55 |
| | | 60 m | 6XV1820-5BN60 |
| | | 65 m | 6XV1820-5BN65 |
| | | 70 m | 6XV1820-5BN70 |
| | | 75 m | 6XV1820-5BN75 |
| | | 80 m | 6XV1820-5BN80 |
| | | 100 m | 6XV1820-5BT10 |
| | | 120 m | 6XV1820-5BT12 |
| 130 m | 6XV1820-5BT13 | | |
| 150 m | 6XV1820-5BT15 | | |
| 200 m | 6XV1820-5BT20 | | |
| 250 m | 6XV1820-5BT25 | | |
| 300 m | 6XV1820-5BT30 | | |
|  | Fiber Optic Indoor Cable 62.5/125/900, segmentable (OM1) | Glass fiber optic cable, crush-proof, halogen-free and flame-retardant cable for indoor installation, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | 6XV1820-7AH10 |
| | | | 0.5 m |
| | | 1.0 m | 6XV1820-7BH10 |
| | | 2.0 m | 6XV1820-7BH20 |
| | | 3.0 m | 6XV1820-7BH30 |
| | | 5.0 m | 6XV1820-7BH50 |
| | | 10 m | 6XV1820-7BN10 |
| | | 15 m | 6XV1820-7BN15 |
| | | 20 m | 6XV1820-7BN20 |
| | | 25 m | 6XV1820-7BN25 |
| | | 50 m | 6XV1820-7BN50 |
| | | 75 m | 6XV1820-7BN75 |
| | | 100 m | 6XV1820-7BT10 |
|  | Fiber Optic Flexible Cable 62.5/125/1400, segmentable (OM1) | Flexible glass fiber optic cable, for use in cable carriers indoors and outdoors, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m | 6XV1820-6AH10 |
| | | | 1.0 m |
| | | 2.0 m | 6XV1820-6BH20 |
| | | 3.0 m | 6XV1820-6BH30 |
| | | 5.0 m | 6XV1820-6BH50 |
| | | 10 m | 6XV1820-6BN10 |
| | | 15 m | 6XV1820-6BN15 |
| | | 20 m | 6XV1820-6BN20 |
| | | 30 m | 6XV1820-6BN30 |
| | | 50 m | 6XV1820-6BN50 |
| | | 75 m | 6XV1820-6BN75 |
| 100 m | 6XV1820-6BT10 | | |














| Optical Industrial Ethernet (IE) cables | | | | |
|---|--|--|----------|------------------------------|
| | Product | Comments | | Article number ¹⁾ |
| Glass fiber optic cables (continued) | | | | |
|  | Fiber Optic Multimode Cord | Prefabricated multimode glass fiber optic cable, SC/SC, 50/125, with 2 × SC duplex connectors | 1.0 m | 6XV1843-5EH10-0CCO |
| | | Prefabricated multimode glass fiber optic cable, SC/ST/BFOC, 50/125, with 1 × SC duplex connector and 2 × ST/BFOC connectors | 1.0 m | 6XV1843-5EH10-0CBO |
| | | Prefabricated multimode glass fiber optic cable, SC/LC, 50/125, with 1 × SC duplex connector and 1 × LC duplex connector | 1.0 m | 6XV1843-5EH10-0CAO |
| | | Prefabricated multimode glass fiber optic cable, ST/BFOC/LC, 50/125, with 2 × ST/BFOC connectors and 1 × LC duplex connector | 1.0 m | 6XV1843-5EH10-0ABO |
| | | Prefabricated multimode glass fiber optic cable, LC/LC, 50/125, with 2 × LC duplex connectors | 1.0 m | 6XV1843-5EH10-0AAO |
| | Fiber Optic Singlemode Cord | Prefabricated singlemode glass fiber optic cable, SC/SC, 9/125, with 2 × SC duplex connectors | 1.0 m | 6XV1843-5FH10-0CCO |
| | | Prefabricated singlemode glass fiber optic cable, SC/ST/BFOC, 9/125, with 1 × SC duplex connector and 2 × ST/BFOC connectors | 1.0 m | 6XV1843-5FH10-0CBO |
| | | Prefabricated singlemode glass fiber optic cable, SC/LC, 9/125, with 1 × SC duplex connector and 1 × LC duplex connector | 1.0 m | 6XV1843-5FH10-0CAO |
| | | Prefabricated singlemode glass fiber optic cable, ST/BFOC/LC, 9/125, with 2 × ST/BFOC connectors and 1 × LC duplex connector | 1.0 m | 6XV1843-5FH10-0ABO |
| | | Prefabricated singlemode glass fiber optic cable, LC/LC, 9/125, with 2 × LC duplex connectors | 1.0 m | 6XV1843-5FH10-0AAO |
| Special bus cable | | | | |
|  | SIENOPYR Fiber Optic Marine Cable | Fiber optic cable for routing on ships and offshore platforms, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1830-0NH10 |
| POF and PCF fiber optic cables | | | | |
|  | POF Standard Cable GP 980/1000 ²⁾ | Fiber optic cable with polyoptical fibers, for fixed installation indoors, UL approval, sold by the meter, max. delivery unit 500 m, minimum order quantity 20 m | | 6XV1874-2A |
|  | POF Trailing Cable 980/1000 ²⁾ | Fiber optic cable with polyoptical fibers, for moving applications (e.g., application in cable carriers), sold by the meter, max. delivery unit 500 m, minimum order quantity 20 m | | 6XV1874-2B |
|  | PCF Standard Cable GP 200/230 ²⁾ | Prefabricated with 2 × 2 ST/BFOC connectors, preferred length, pulling aid | | 6XV1861-2A |
| | | | 75 m | 6XV1861-3AN75 |
| | | | 100 m | 6XV1861-3AT10 |
| | | | 150 m | 6XV1861-3AT15 |
| | | | 200 m | 6XV1861-3AT20 |
|  | PCF Trailing Cable 200/230 ²⁾ | Prefabricated with 2 × 2 ST/BFOC connectors, preferred length, pulling aid | | 6XV1861-2C |
| | | | 75 m | 6XV1861-3CN75 |
| | | | 100 m | 6XV1861-3CT10 |
|  | PCF Trailing Cable GP200/230 ²⁾ | Prefabricated with 2 × 2 ST/BFOC connectors, preferred length, pulling aid | 150 m | 6XV1861-3CT15 |
| | | | | 6XV1861-2D |
| Electrical/Optical Industrial Ethernet (IE) plugs | | | | |
| IE FC RJ45 plug 2 × 2 | | | | |
|  | IE FC RJ45 Plug 180 | RJ45 data connector, for connecting to IE FC TP cables 2 × 2, suitable for fast assembly with the FastConnect system, 180° cable outlet | 1 unit | 6GK1901-1BB10-2AAO |
| | | | 10 units | 6GK1901-1BB10-2ABO |
| | | | 50 units | 6GK1901-1BB10-2AEO |
|  | IE FC RJ45 Plug 90 | 90° cable outlet | 1 unit | 6GK1901-1BB20-2AAO |
| | | | 10 units | 6GK1901-1BB20-2ABO |
| | | | 50 units | 6GK1901-1BB20-2AEO |
|  | IE FC RJ45 Plug 145 | 145° cable outlet | 1 unit | 6GK1901-1BB30-0AAO |
| | | | 10 units | 6GK1901-1BB30-0ABO |
| | | | 50 units | 6GK1901-1BB30-0AEO |
|  | IE RJ45 Port Lock | RJ45 port lock with key for mechanical locking of RJ45 ports | 1 unit | 6GK1901-1BB50-0AAO |









| Electrical/Optical Industrial Ethernet (IE) plugs | | | | |
|--|--------------------------------------|---|------------------------------|--------------------|
| | Product | Comments | Article number ¹⁾ | |
| IE FC RJ45 plug 4 × 2 | | | | |
|  | IE FC RJ45 Plug 180 | Cat6A RJ45 data connector, for connecting to IE FC TP cables 4 × 2, AWG24, suitable for fast assembly with the FastConnect system | 1 unit | 6GK1901-1BB12-2AA0 |
| | | | 10 units | 6GK1901-1BB12-2AB0 |
| | | | 50 units | 6GK1901-1BB12-2AE0 |
| IE FC Keystone RJ45 4 × 2 | | | | |
|  | IE FC Keystone RJ45 4 × 2 | Field assembly RJ45 outlet, 8-pole, Cat6A, metal enclosure, FC quick connection method, for standard rail mounting and 19" panel | 1 unit | 6GK1901-0BE10-0AA0 |
|  | IE Cable SFP+/SFP+ | Prefabricated IE cable with SFP-plus connectors, 1 pack = 1 unit | 1 m | 6GK5980-3CB00-0AA1 |
| | | | 2 m | 6GK5980-3CB00-0AA2 |
| | | | 7 m | 6GK5980-3CB00-0AA7 |
|  | FO LC Coupler | Plastic enclosure, for mounting in 19" module frame | 5 units | 6GK1901-0RP10-0AA0 |
|  | 19" Module Frame 1RU | Module support for mounting of IE RJ45 Keystone or FO LC coupler, mounting in 19" enclosure | 1 unit | 6GK1901-0AM00-0AA0 |
|  | CU/FO Modular Outlet | Modular outlet for mounting of IE RJ45 Keystone or FO LC Coupler, for standard rail mounting | 1 unit | 6GK1901-1BE00-0AA4 |
| IE push pull plug PRO | | | | |
|  | IE FC RJ45 Plug PRO | FastConnect RJ45 data connector for on-site assembly to IE FC TP cable 2 × 2, field assembly connector for push pull device connection with high degree of protection | 1 unit | 6GK1901-1BB20-6AA0 |
|  | IE FC RJ45 Plug PRO | RJ45 push pull connector for on-site assembly to IE FC TP cable 2 × 2 and IE FC TP cable 4 × 2, metal enclosure, IP65 | 1 unit | 6GK1901-1BB21-6AA0 |
|  | IE RJ45 Plug PRO | RJ45 data connector for on-site assembly to TP cables 2 × 2, field assembly connector for push pull device connection with high degree of protection | 1 unit | 6GK1901-1BB10-6AA0 |
|  | IE SC RJ POF Plug PRO | SC RJ plug-in connector for POF fiber optic cable, field assembly connector for push pull device connection with high degree of protection, for SCALANCE X-200IRT PRO switches and SIMATIC ET 200pro | 1 unit | 6GK1900-0MB00-6AA0 |
|  | IE SC RJ PCF Plug PRO | SC RJ plug-in connector for PCF fiber optic cable, field assembly connector for push pull device connection with high degree of protection, for SCALANCE X-200IRT PRO switches | 1 unit | 6GK1900-0NB00-6AA0 |
|  | Power Plug PRO | Power plug-in connector, 5-pin, field assembly connector for push pull device connection with high degree of protection, for power supply with 2 × 24 V DC | 1 unit | 6GK1907-0AB11-6AA0 |
|  | IE RJ45 Coupler PRO | RJ45 push pull coupler for on-site assembly with IE FC RJ45 plug PRO, metal enclosure, IP65 | 1 unit | 6GK1901-0BP10-6AA0 |
| Modular outlet | | | | |
|  | IE FC RJ45 Modular Outlet | Without replaceable insert | 1 unit | 6GK1901-1BE00-0AA0 |
| | | With 2FE insert, replaceable insert for 2 × 100 Mbps interfaces | 1 unit | 6GK1901-1BE00-0AA1 |
| | | With 1GE insert, replaceable insert for 1 × 1 000 Mbps interface | 1 unit | 6GK1901-1BE00-0AA2 |
| | | With power insert, replaceable insert for 1 × 24 V DC and 1 × 100 Mbps interface | 1 unit | 6GK1901-1BE00-0AA3 |
|  | IE FC RJ45 Modular Outlet Insert 2FE | Replaceable insert for FC modular outlet base, 2 × RJ45 for 2 × 100 Mbps interfaces | 4 units | 6GK1901-1BK00-0AA1 |
|  | IE FC RJ45 Modular Outlet Insert 1GE | Replaceable insert for FC modular outlet base, 1 × RJ45 for 1 × 1 000 Mbps interface | 4 units | 6GK1901-1BK00-0AA2 |
| RJ45 outlet | | | | |
|  | IE FC Outlet RJ45 | For connection of Industrial Ethernet FC cables and TP cords | 1 unit | 6GK1901-1FC00-0AA0 |
| M12 connectors and couplers | | | | |
|  | IE FC M12 Plug PRO (D-coded) | M12 plug-in connector 2 × 2 (D-coded) with high degree of protection, 4-pin, for connecting electrical cables to SCALANCE X208PRO and SCALANCE XP-200, ET 200pro PN or ET 200eco PN, suitable for fast assembly with the FastConnect system, pin insert | 1 unit | 6GK1901-0DB20-6AA0 |
| | | | 8 units | 6GK1901-0DB20-6AA8 |

| Electrical/Optical Industrial Ethernet (IE) plugs | | | | |
|---|---|--|----------|------------------------------|
| | Product | Comments | | Article number ¹⁾ |
| M12 connectors and couplers (continued) | | | | |
|  | IE M12 Panel Feedthrough (D-coded) | Cabinet bushing 2 × 2 for conversion of M12 (D-coded), connection system (IP65) to RJ45 connection system (IP20), socket insert | 5 units | 6GK1901-ODM20-2AA5 |
| | IE M12 Panel Feedthrough PRO (D-coded) | Cabinet bushing 2 × 2 for conversion of M12 (D-coded), connection system (IP65) to M12 (D-coded) connection system (IP65), socket insert | 5 units | 6GK1901-ODM30-2AA5 |
|  | IE FC M12 Plug PRO 4 × 2 (X-coded) | Cat6A M12 plug-in connector 4 × 2 (X-coded) with high degree of protection (IP65), 8-pin, for connecting electrical cables to SCALANCE W and SCALANCE XP-200 (Gigabit M12 interface), suitable for fast assembly with the FastConnect system, pin insert | 1 unit | 6GK1901-ODB50-6AA0 |
| | | | 8 units | 6GK1901-ODB50-6AA8 |
|  | IE M12 Panel Feedthrough (X-coded) | Cabinet bushing 4 × 2 for conversion of M12 (X-coded), connection system (IP65) to RJ45 connection system (IP20), Cat6A, socket insert | 5 units | 6GK1901-ODM40-2AA5 |
|  | IE FC M12 Cable Connector PRO (X-coded) | M12 plug-in connectors 4 × 2 (X-coded), for assembly in the field, socket, IP65/67, Cat6A, socket insert | 1 unit | 6GK1901-ODB40-6AA0 |
| | | | 8 units | 6GK1901-ODB40-6AA8 |
|  | Control M12 Plug PRO (A-coded) | Connection plug for assembly in the field (A-coded), for connecting IO link sensors/actuators, 5-pole, pin insert | 1 unit | 6GK1908-ODB10-6AA0 |
|  | Control M12 Cable Connector PRO (A-coded) | Connection socket for assembly in the field (A-coded), for connecting IO link sensors/actuators, 5-pole, socket insert | 1 unit | 6GK1908-ODC10-6AA0 |
|  | Signaling Contact M12 Cable Connector PRO (B-coded) | M12 connection socket (B-coded) for signaling contact, 5-pin, for connecting to SCALANCE X208PRO, socket insert | 3 units | 6GK1908-ODC10-6AA3 |
|  | Power M12 Cable Connector PRO (A-coded) | M12 power connection socket (A-coded), 4-pin, for connecting to SCALANCE W-700/X208PRO and SCALANCE XP-200 for 24 V DC power supply, socket insert | 3 units | 6GK1907-ODC10-6AA3 |
|  | Power M12 Plug PRO (A-coded) | M12 power plug-in connector (A-coded), 4-pin, for connecting to Power Supply PS791-1PRO for 24 V DC power supply, pin insert | 3 units | 6GK1907-ODB10-6AA3 |
|  | Power M12 Plug PRO (L-coded) | M12 connector plug (L-coded) for ET 200 with axial cable outlet for field assembly, pin insert | 1 unit | 6GK1906-0EA00 |
|  | Power M12 Cable Connector PRO (L-coded) | M12 cable connector (L-coded) for ET 200 with axial cable outlet for field assembly, socket insert | 1 unit | 6GK1906-0EB00 |
| | M12 Power T-Tap | M12 Power T-Tap PRO (A-coded), power T-piece for SCALANCE XP-200 with 2 × M12 female contact inserts and 1 × M12 male contact insert, pin insert | 5 units | 6GK1907-ODC00-6AA5 |
| FO connectors (ST/BFOC, SC and LC) | | | | |
|  | FC FO LC Plug | For on site assembly on FC fiber optic cables (62.5/200/230) (duplex plugs + cleaning cloths) | 10 units | 6GK1900-1RB00-2AB0 |
|  | FC SC Coupler | SC duplex coupler for FastConnect assembly | 5 units | 6GK1900-1LP00-0AB0 |
|  | FC ST/BFOC Plug | ST/BFOC plug-in connector, for connection of glass fiber optic cables, suitable for fast assembly with the FastConnect FO system, cleaning cloths | 20 units | 6GK1900-1GB00-0AC0 |
| | FC ST/BFOC Coupler | ST/BFOC coupler for FastConnect assembly | 5 units | 6GK1900-1GP00-0AB0 |
|  | Multimode FO ST/BFOC Connector Set | ST/BFOC connector set for connection of glass fiber optic cables | 20 units | 6GK1901-0DA20-0AA0 |
| | Multimode FO SC Duplex Connector Set | SC duplex connector set for connection of glass fiber optic cables | 10 units | 6GK1901-0LB10-2AA0 |
|  | FC FO Termination Kit (ST/BFOC) | Assembly case for on-site assembly of FC ST/BFOC connectors to FC fiber optic cables, including a stripping tool, Kevlar shears, fiber breaking tool and microscope | 1 unit | 6GK1900-1GL00-0AA0 |
|  | FC FO Termination Kit (LC) | FC LC plug assembly case for on-site assembly of FC LC connectors to FC fiber optic cables | 1 unit | 6GK1900-0RL00-0AA0 |
|  | IE SC RJ POF Plug PRO | SC RJ plug-in connector for POF fiber optic cable, field assembly connector for push pull device connection with high degree of protection | 1 unit | 6GK1900-0MB00-6AA0 |
|  | IE SC RJ POF Plug | SC RJ plug-in connector for POF fiber optic cables | 20 units | 6GK1900-0MB00-0AC0 |
|  | IE SC RJ PCF Plug PRO | SC RJ plug-in connector for PCF fiber optic cables, field assembly connector for push pull device connection with high degree of protection | 1 unit | 6GK1900-0NB00-6AA0 |
|  | IE SC RJ PCF Plug | SC RJ plug-in connector for PCF fiber optic cables | 10 units | 6GK1900-0NB00-0AC0 |
|  | Multimode FO LC Duplex Plug | LC connector set, for connecting to Ethernet/PROFINET devices with integrated optical multimode interface (SCALANCE XR-300EEC, XR-300, X308-2M) | 1 unit | 6GK1901-0RB10-2AB0 |

| Electrical PROFIBUS (PB) cables | | | | |
|---|-----------------------------------|--|------------------------------|---------------|
| | Product | Comments | Article number ¹⁾ | |
| PROFIBUS bus cables | | | | |
|  | PB FC Standard Cable GP | Standard bus cable, with special design for fast assembly, for permanent installation, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-0EH10 | |
| | PB FC Standard Cable GP | Standard bus cable, 2-wire, in preferred length, shielded, special design for fast assembly | 20 m | 6XV1830-0EN20 |
| | | | 50 m | 6XV1830-0EN50 |
| | | | 100 m | 6XV1830-0ET10 |
| | | | 200 m | 6XV1830-0ET20 |
| | | | 500 m | 6XV1830-0ET50 |
| | | | 1 000 m | 6XV1830-0EU10 |
|  | PB FC Standard Cable IS GP | Standard bus cable, for fast assembly, used in intrinsically safe distributed I/O systems, for permanent installation, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1831-2A | |
|  | PB FC Robust Cable | Special bus cable, used in environments subject to chemical and mechanical loads, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-0JH10 | |
|  | PB FC Food Cable | PB bus cable, for use in the ein, sold by the meter, max. delivery quantity 1 000 m, minimum order quantity 20 m | 6XV1830-0GH10 | |
|  | PB FC Ground Cable | Special bus cable, with additional protective jacket, used for installation in the ground, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-3FH10 | |
|  | PB FC Flexible Cable | Flexible bus cable, for occasionally moved machine parts, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1831-2K | |
|  | PB FC Trailing Cable | Highly flexible bus cable, continuous motion control in a cable carrier, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-3EH10 | |
|  | PB FC Trailing Cable | Highly flexible bus cable, continuous motion control in a cable carrier, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1831-2L | |
|  | PB Festoon Cable GP | Flexible bus cable, specially used for festoon suspension, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-3GH10 | |
|  | PB FC FRNC Cable GP | Heavily flame-retardant and halogen-free bus cable, suitable for use in buildings, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-0LH10 | |
|  | PB Torsion Cable | Flexible bus cable, used in moved machine parts, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-0PH10 | |
| | PB Hybrid Standard Cable GP | Hybrid cable, data and power wires, trailable, for supplying data and power to ET 200pro, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1860-2R | |
|  | PB Hybrid Robust Cable | Hybrid cable, data and power wires, robust, for supplying data and power to ET 200pro under conditions with high mechanical load, cable resistant to splatter in accordance with HD22.2 S3 / 5, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1860-2S | |
|  | PB FC Process Cable, Blue | Bus cable for IEC 61158-2, 2-wire, for Ex applications, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-5EH10 | |
|  | PB FC Process Cable, Black | Bus cable for IEC 61158-2, 2-wire, for non-Ex applications, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-5FH10 | |
|  | Foundation Fieldbus Cable, Blue | Bus cable for IEC 61158-2, 2-wire, for Ex applications, stranded drain wire, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-5GH10 | |
|  | Foundation Fieldbus Cable, Yellow | Bus cable for IEC 61158-2, 2-wire, for non-Ex applications, stranded drain wire, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-5HH10 | |
| Special bus cables | | | | |
|  | SIENOPYR PROFIBUS Marine Cable | Bus cable, 2-wire, for installation on ships and offshore platforms, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | 6XV1830-0MH10 | |
| ECOFAST bus cables | | | | |
|  | PROFIBUS ECOFAST Cable | Open-ended ECOFAST hybrid cable, data and power wires, for connecting ECOFAST devices, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m | | 6XV1830-7AH10 |
| | | | 0.5 m | 6XV1830-7BH05 |
| | | 1.0 m | 6XV1830-7BH10 | |
| | | 1.5 m | 6XV1830-7BH15 | |
| | | 3.0 m | 6XV1830-7BH30 | |
| | | 5.0 m | 6XV1830-7BH50 | |
| | | 10 m | 6XV1830-7BN10 | |
| | | 15 m | 6XV1830-7BN15 | |
| | | Prefabricated with ECOFAST plug and socket, fixed length | 20 m | 6XV1830-7BN20 |

| Electrical PROFIBUS (PB) cables | | | | |
|---|--|---|------------------------------|--|
| | Product | Comments | Article number ¹⁾ | |
| ECOFAST bus cables (continued) | | | | |
| | PROFIBUS ECOFAST Hybrid Cable GP | Open-ended trailing-type cable with 4 x Cu and 2 x Cu, shielded, with UL approval, sold by the meter, max. delivery unit 1 000 m, minimum order quantity 20 m Prefabricated with ECOFAST plug and socket | | 6XV1860-2P |
| | | | 0.5 m | 6XV1860-3PH05 |
| | | | 1.0 m | 6XV1860-3PH10 |
| | | | 1.5 m | 6XV1860-3PH15 |
| | | | 3.0 m | 6XV1860-3PH30 |
| | | | 5.0 m | 6XV1860-3PH50 |
| | | | 10 m | 6XV1860-3PN10 |
| | | | 15 m | 6XV1860-3PN15 |
| | | | 20 m | 6XV1860-3PN20 |
| Plug-in cables (prefabricated cables) | | | | |
|  | PB Plug-in Cable 830-1T | Prefabricated plug-in cable, with two 9-pin sub-D connectors, for connection of PROFIBUS devices to OLM or OBT, preferred length | 1.5 m | 6XV1830-1CH15 |
| | | | 3.0 m | 6XV1830-1CH30 |
|  | PB Plug-in Cable 830-2 | Prefabricated plug-in cable including PROFIBUS standard cable with two 9-pin connectors, for connection of PROFIBUS devices (e.g., HMI) to automation devices, preferred length | 3.0 m | 6XV1830-2AH30 |
| | | | 5.0 m | 6XV1830-2AH50 |
| | | | 10 m | 6XV1830-2AN10 |
|  | PB M12 Plug-in Cable (B-coded) | Prefabricated, flexible plug-in cable, with two 5-pin M12 male/female connectors (B-coded), for connecting PROFIBUS devices (e.g., SIMATIC ET 200), in IP65 degree of protection, preferred length | 0.3 m | 6XV1830-3DE30 |
| | | | 0.5 m | 6XV1830-3DE50 |
| | | | 1.0 m | 6XV1830-3DH10 |
| | | | 1.5 m | 6XV1830-3DH15 |
| | | | 2.0 m | 6XV1830-3DH20 |
| | | | 3.0 m | 6XV1830-3DH30 |
| | | | 5.0 m | 6XV1830-3DH50 |
| | 10 m | 6XV1830-3DN10 | | |
| | 15 m | 6XV1830-3DN15 | | |
| Optical PROFIBUS (PB) cables | | | | |
| | Product | Comments | Article number ¹⁾ | |
| FO cables | | | | |
|  | PB POF Standard Cable | Robust round cable with 2 plastic fiber optic cores, PVC outer sheath and PA inner sheath, for indoor installation, sold by the meter, max. delivery unit 500 m, minimum order quantity 20 m Ring | | 6XV1821-0AH10 |
| | | | 50 m | 6XV1821-0AN50 |
| | | | 100 m | 6XV1821-0AT10 |
| | | | 1.0 m | 6XV1821-0BH10 |
| | | | 2.0 m | 6XV1821-0BH20 |
| | | | 5.0 m | 6XV1821-0BH50 |
| | | | 10 m | 6XV1821-0BN10 |
| | | | 15 m | 6XV1821-0BN15 |
| | | | 20 m | 6XV1821-0BN20 |
| | | | 25 m | 6XV1821-0BN25 |
| | | | 30 m | 6XV1821-0BN30 |
| | | | 50 m | 6XV1821-0BN50 |
| | | | 65 m | 6XV1821-0BN65 |
| | | | 80 m | 6XV1821-0BN80 |
| | | | PB PCF Standard Cable | Prefabricated PCF fiber optic cable with 2 cores, PVC outer jacket, for covering longer distances up to 400 m, with 2 x 2 ST/BFOC connectors, lash length 20 cm each, with insertion tool mounted on one end, for connecting OLM/P, preferred length |
| 100 m | 6XV1821-1BT10 | | | |
| 150 m | 6XV1821-1BT15 | | | |
| 200 m | 6XV1821-1BT20 | | | |
| 250 m | 6XV1821-1BT25 | | | |
| 300 m | 6XV1821-1BT30 | | | |
| 400 m | 6XV1821-1BT40 | | | |
| PB PCF Standard Cable GP 200/230 | Standard cable, segmentable, sold by the meter, max. delivery unit 2 000 m, minimum order quantity 20 m Prefabricated with 2 x 2 ST/BFOC connectors, preferred length | | 6XV1861-2A | |
| | | 75 m | 6XV1861-3AN75 | |
| | | 100 m | 6XV1861-3AT10 | |
| | | 150 m | 6XV1861-3AT15 | |
| | | 200 m | 6XV1861-3AT20 | |
| | 250 m | 6XV1861-3AT25 | | |

| Electrical/Optical PROFIBUS (PB) connectors | | | | |
|--|---|--|-----------|------------------------------|
| | Product | Comments | | Article number ¹⁾ |
| PROFIBUS bus connectors | | | | |
|  | PB FC RS 485 Plug 180 | FastConnect bus connector with insulation displacement method, max. transfer rate 12 Mbps, 180° cable outlet (without PG interface) | 1 unit | 6GK1500-0FC10 |
|  | PB FC RS 485 Plug 90 | 90° cable outlet (without PG interface) | 1 unit | 6ES7972-0BA52-0XA0 |
| | | 90° cable outlet (without PG interface, grounding via control cabinet contact surface) | 100 units | 6ES7972-0BA52-0XB0 |
| | | 90° cable outlet (with PG interface) | 1 unit | 6ES7972-0BA70-0XA0 |
| | | 90° cable outlet (with PG interface) | 100 units | 6ES7972-0BB52-0XB0 |
|  | PB FC RS 485 Plug 35 | 90° cable outlet (with PG interface, grounding via control cabinet contact surface) | 1 unit | 6ES7972-0BB70-0XA0 |
| | | 35° cable outlet (without PG interface) | 1 unit | 6ES7972-0BA61-0XA0 |
|  | PB RS 485 Plug 35 | 35° cable outlet (with PG interface) | 1 unit | 6ES7972-0BB61-0XA0 |
| | | | | |
|  | PB RS 485 Plug 180 | Bus connector in screw-type connection system, max. transmission rate 12 Mbps, 180° cable outlet (without PG interface, metal enclosure) | 1 unit | 6GK1500-0EA02 |
|  | PB RS 485 Plug 90 | 90° cable outlet (without PG interface) | 1 unit | 6ES7972-0BA12-0XA0 |
| | | 90° cable outlet (with PG interface) | 1 unit | 6ES7972-0BB12-0XA0 |
|  | PB RS 485 Plug 35 | 35° cable outlet (without PG interface) | 1 unit | 6ES7972-0BA42-0XA0 |
| | | 35° cable outlet (with PG interface) | 1 unit | 6ES7972-0BB42-0XA0 |
|  | PB RS 485 Plug 30 | 30° cable outlet (low-cost version, max. transmission rate 1.5 Mbps) | 1 unit | 6ES7972-0BA30-0XA0 |
| | ECOFAST Hanbrid Connector | PROFIBUS bus connector Cu with 2 x Cu shielded and 4 x Cu 1.5 mm ² , contact type: for connecting to ECOFAST hybrid cables, transmission of data and power, tool: crimping tool, with installation instructions and male contact insert | 5 units | 6GK1905-0CA00 |
| | | With installation instructions and female contact insert | 5 units | 6GK1905-0CB00 |
| | | PROFIBUS ECOFAST hybrid plug angled, with 2 x Cu shielded and 4 x Cu 1.5 mm ² , for connecting to ECOFAST hybrid cables, transmission of data and power, with installation instructions and male contact insert | 5 units | 6GK1905-0CC00 |
| | | With installation instructions and female contact insert | 5 units | 6GK1905-0CD00 |
| | ECOFAST Terminating Plug | Bus terminator plug-in connector for PROFIBUS DP, with 2 x Cu and 4 x Cu 1.5 mm ² , as termination plug-in connector for PROFIBUS DP, male contact insert, integrated termination resistors | 1 unit | 6GK1905-0DA10 |
| | | | 5 units | 6GK1905-0DA00 |
| Connectors for assembly in the field | | | | |
|  | PB M12 Plug-in Connector (B-coded) | M12 plug-in connector with male contact insert (B-coded), 5-pin, for connecting electrical PB bus cables to ET 200 | 5 units | 6GK1905-0EA00 |
| | | M12 plug-in connector with male contact insert (B-coded), 5-pin, female contact insert, for connecting electrical PB bus cables to ET 200 | 5 units | 6GK1905-0EB00 |
|  | PB FC M12 Plug PRO (B-coded) | M12 plug-in connector with male contact insert (B-coded), 5-pin, for connecting electrical PB FC bus cables to ET 200pro, suitable for fast assembly with the FastConnect system | 1 unit | 6GK1905-0EA10-6AA0 |
| | | | 5 units | 6GK1905-0EA10 |
|  | PB FC M12 Cable Connector PRO (B-coded) | M12 plug-in connector for assembly in the field (B-coded), 5-pin, metal enclosure, FastConnect connection system, female contact insert, for connecting electrical PB FC bus cables to ET 200pro, suitable for fast assembly with the FastConnect system | 1 unit | 6GK1905-0EB10-6AA0 |
| | | | 5 units | 6GK1905-0EB10 |
|  | PB Plastic Fiber Optic, ST/BFOC Connector Set | 20 ST/BFOC connectors for assembly of PROFIBUS plastic fiber optic cables for OLM/P | 1 unit | 6GK1905-1PA00 |
|  | PCF-ST/BFOC Plug | 20 screw connectors for on-site assembly on PCF fiber optic cables, with cleaning material | 1 unit | 6GK1900-0HB00-0AC0 |
|  | 7/8" Plug-in Connector | 7/8" connection plug with male contact insert, 5-pin, for field assembly, for ET 200 | 5 units | 6GK1905-0FA00 |
| | | 7/8" connection plug with female contact insert, 5-pin, for field assembly, for ET 200 | 5 units | 6GK1905-0FB00 |

| Electrical/Optical Accessories for Industrial Ethernet (IE) and PROFIBUS (PB) | | | |
|--|---|--|------------------------------|
| | Product | Comments | Article number ¹⁾ |
|  | IE FC Stripping Tool | Pre-adjusted stripping tool for fast stripping of Industrial Ethernet FC cables | 6GK1901-1GA00 |
| | IE FC Blade Cassettes | Replacement blade cassette, for IE FC RJ45 outlet, ELS TP40, 5 units, 12 mm | 6GK1901-1GB00 |
| | | Replacement blade cassette, for IE FC RJ45 plugs and IE FC RJ45 modular outlet, 5 units, 5 mm | 6GK1901-1GB01 |
| | IE SC RJ POF Refill Set | Refill set for termination kit SC RJ POF plug consisting of abrasive paper and grinding disc (5er set) | 6GK1900-0MN00-0AA0 |
|  | PB FastConnect Stripping Tool | Pre-adjusted stripping tool for fast stripping of PROFIBUS FastConnect bus cables | 6GK1905-6AA00 |
| | PB FastConnect Blade Cassettes | Spare blade cassettes for PROFIBUS FastConnect stripping tool, 5 units | 6GK1905-6AB00 |
|  | PB Plastic Fiber Optic, Stripping Tool Set | Tools for removing the outer sheath or core sheath of PROFIBUS plastic fiber optic cables | 6GK1905-6PA10 |
| | PB Plastic Fiber Optic, Crimping Tool ST/BFOC | For assembly of ST/BFOC connectors on PROFIBUS plastic fiber optic cables | 6GK1905-6PB00 |
| | PB Plastic Fiber Optic, Polishing Set ST/BFOC | Polishing set for grinding and polishing the ST/BFOC connector face, for PROFIBUS plastic fiber optic cables with OLM/P | 6GK1905-6PS00 |
|  | 7/8" Power T-Tap PRO | Power T-piece with two 7/8" female contact inserts and one 7/8" male contact insert, to connect and distribute power to ET 200pro modules, each 5-pin, 1 package = 5 units | 6GK1905-0FC00 |
|  | FC FO Termination Kit (ST/BFOC) | Assembly case for on-site assembly of FC ST/BFOC connectors to FC fiber optic cables, including a stripping tool, Kevlar shears, fiber breaking tool and, microscope | 6GK1900-1GL00-0AA0 |
|  | FC FO Termination Kit (LC) | FC FO termination kit, FC LC plug assembly case for on-site assembly of FC LC connectors to FC fiber optic cables | 6GK1900-0RL00-0AA0 |
|  | Termination Kit SC RJ POF Plug | Assembly case for on-site assembly of SC RJ POF connectors, including a stripping tool, Kevlar shears, SC RJ grinding disc, abrasive paper, grinding base, and microscope | 6GK1900-0ML00-0AA0 |
| | Termination Kit SC RJ PCF Plug | Assembly case for on-site mounting of SC RJ PCF connectors, including a stripping tool, buffer stripping tool, Kevlar shears, fiber breaking tool, crimping tool, and microscope | 6GK1900-0NL00-0AA0 |
|  | Termination Kit Simplex PCF Plug | Assembly case for on-site assembly of PCF simplex connectors, including a stripping tool, buffer stripping tool, Kevlar shears, fiber breaking tool, crimping tool, and microscope | 6GK1900-0KL00-0AA0 |
| | Termination Kit PCF-ST/BFOC Plug | Assembly case for on-site assembly of PCF-ST/BFOC connectors, including a stripping tool, buffer stripping tool, Kevlar shears, fiber breaking tool, and microscope | 6GK1900-0HL00-0AA0 |

¹⁾ Current ordering data can be found on the Internet:
www.siemens.com/industrymall
 Conditions of sale and delivery can be found at:
https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

²⁾ Also suitable for PROFIBUS

You can find additional information on the SIMATIC NET range of cabling products at:
www.siemens.com/fastconnect

Find the right FastConnect components directly in the TIA Selection Tool configurator:
<https://www.siemens.com/tstcloud/?node=CablesAndPlugs>

You can find more detailed manuals online via the direct links:

[SIMATIC NET Industrial Ethernet/PROFINET Passive network components](#)

[SIMATIC NET PROFIBUS Network Manual](#)

[SIMATIC NET Industrial Ethernet/PROFINET Industrial Ethernet System Manual](#)

Notes:

Cables sold by the meter are always supplied on wooden drums for lengths longer than 300 m.

You can receive technical advice on the SIMATIC NET range of cabling products from:

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