

SIEMENS



SIMATIC NET

Cabling technology for industry and energy automation

for Industrial Ethernet/PROFINET and
PROFIBUS

Ordering
overview

Edition
03/2017

siemens.com/fastconnect

Cabling technology for industry and energy automation

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 with incorrect connection of cores.

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

- Optimally matched components for configuration of industry standard and rugged network structures within the shortest possible time and without specialist knowledge
- Minimal amount of time for connecting terminal devices
- Avoidance of installation errors
- For simple on-site assembly
- To reduce overall costs throughout the system's entire service life

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 advantages with FastConnect

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

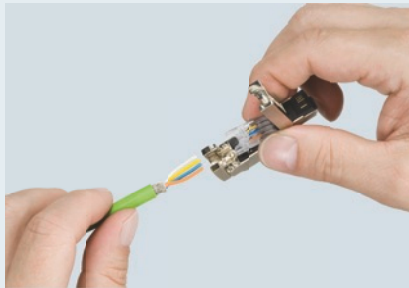
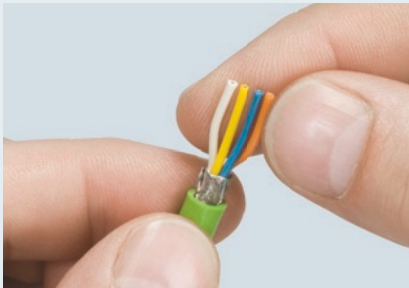
- Coordinated system of FC plug-in connectors and an extensive FC cable spectrum for a variety of requirements in the industrial area and energy automation
- UL approvals for Industrial Ethernet, PROFINET, EtherNet/IP and PROFIBUS enable worldwide use
- Avoidance of errors thanks to color coding, preset tools, and defined materials
- Reliable screen contacts and strain relief as well as good 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 EN45545 fire protection standard in rail vehicles



FastConnect for Industrial Ethernet/PROFINET

Quick connection of FastConnect FC RJ45 plug-in connectors 2 x 2 and 4 x 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 x 2

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



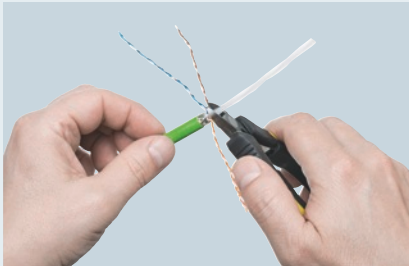
Measure the cable end



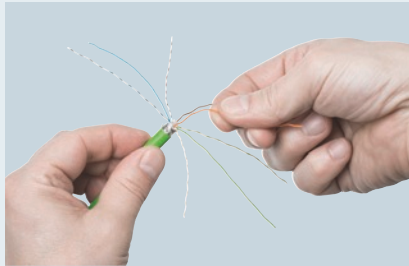
Cut the cable end with the FC stripping tool



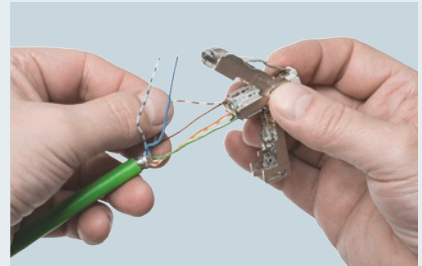
Remove the outer sheath and expose the braided shield



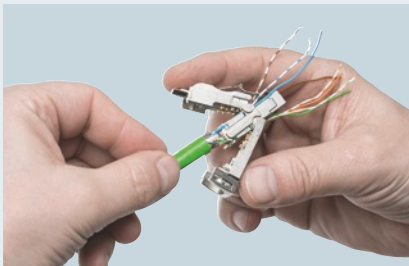
Remove the interior support cross



Unravel and smooth out the twisted wires



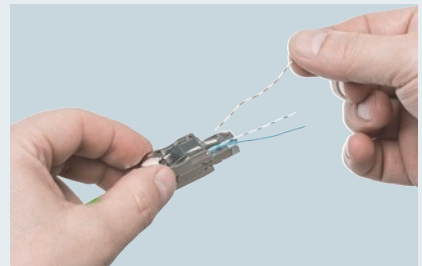
Insert the wires into the plug according to color code and pull them out the opposite side



Press the plug casing to close it



Fasten the casing using a screwdriver



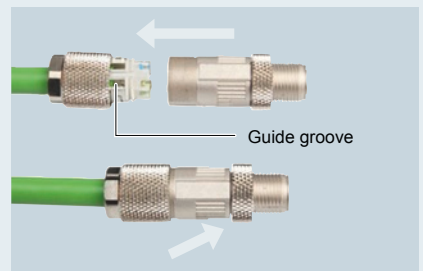
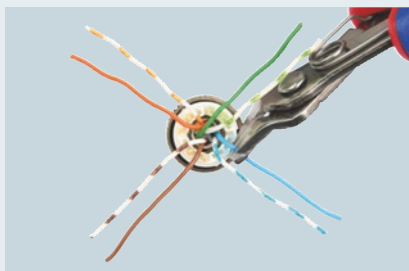
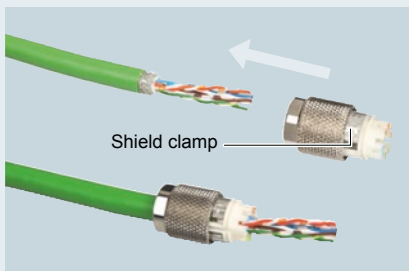
Remove protruding wires

FastConnect FC M12 plug-in connector 2 x 2 and 4 x 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.



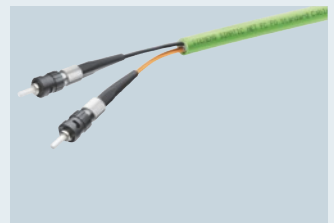
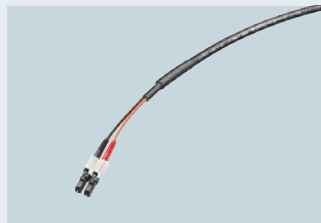
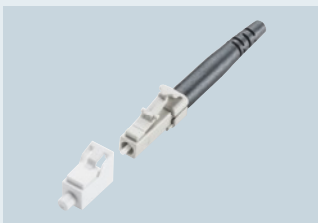
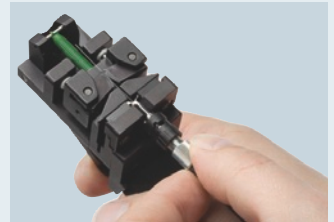
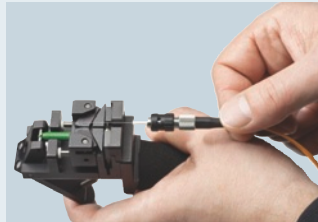
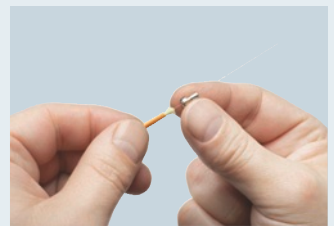
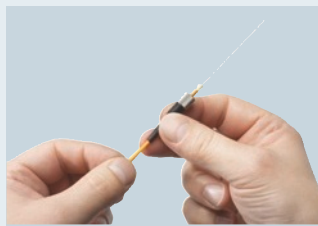
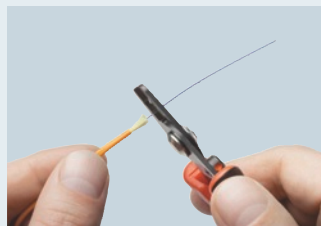
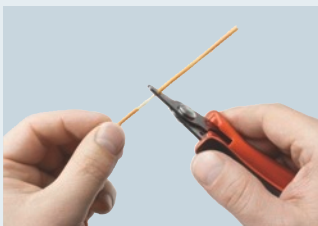
Prefabricated with M12 plug-in connector 2 x 2



Prefabricated with M12 plug-in connector 4 x 2

FastConnect FC SC and FC ST/BFOC plug-in connectors

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



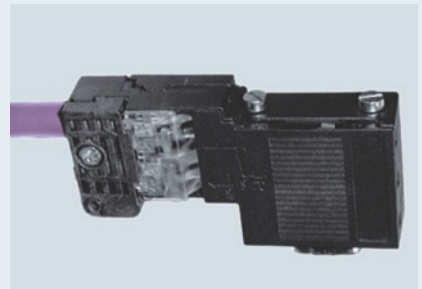
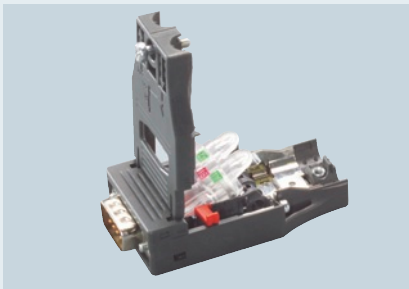
Prefabricated FastConnect for glass fiber optic cables

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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 train cable GP 422 (AWG24)	IE FC TP cables GP 2 x 2	IE TP cord 9/RJ45 IE TP XP cord 9/RJ45 IE TP cord 9-45/RJ45 IE TP XP cord 9-45/RJ45 IE TP cord RJ45/15 IE TP XP cord RJ45/15 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 R45 PLUG-145	Power cable 2 x 0.75	Power cable 5 x 1.5	Rugged power cable 4 x 0.75	
	IE FC RJ45 modular outlet		●					●					
	IE FC outlet RJ45					●		●					
	IE FC RJ45 plug 2 x 2					●							
	IE FC RJ45 plug 4 x 2			●									
	M12 power and data connector	A-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" plug-in connector										●		G_IK10_XX_10245
	IE FC RJ45 plug PRO					●							





















Electrical Industrial Ethernet (IE) cables				
	Product	Comment		Article no. *)
Industrial Ethernet FastConnect cables 2 x 2 with 10/100 Mbps				
	IE FC TP standard cable GP (type A)	Standard bus cable 2 x 2, for permanent installation, rigid cores for fast assembly, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m TP installation cable for connecting to FC outlet RJ45, for universal use, CAT 5		6XV1840-2AH10
			20 m	6XV1840-2AN20
			50 m	6XV1840-2AN50
			100 m	6XV1840-2AT10
			200 m	6XV1840-2AT20
			500 m	6XV1840-2AT50
			1000 m	6XV1840-2AU10
	IE FC TP rugged standard cable GP (type A)	Rugged standard bus cable 2 x 2, for harsh industrial environments, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m		6XV1841-2A
	IE FC TP flexible cable GP (type B)	Flexible bus cable 2 x 2, for occasionally moved machine parts, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m		6XV1870-2B
	IE FC rugged flexible cable GP (type B)	Rugged, flexible bus cable 2 x 2, for harsh industrial environments, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m		6XV1841-2B
	IE FC TP FRNC cable GP (type B)	Flexible, halogen-free bus cable 2 x 2, for occasionally moved machine parts, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m		6XV1871-2F
	IE TP torsion cable	Torsion cable (PROFINET type C) 2 x 2, for use in highly flexible applications (torsion), sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1870-2F
	IE FC TP trailing cable GP (type C)	Highly flexible bus cable 2 x 2, continuous motion control in a cable carrier, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m		6XV1870-2D
	IE connecting cable M12-180/M12-180	Prefabricated, flexible connecting cable 2 x 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	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
	IE connecting cable M12-90/M12-90	Prefabricated connecting cable 2 x 2 with two M12 connectors (D-coded), 90° cable outlet	15 m	6XV1870-8AN15
			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/IE FC RJ45 plug 145	Prefabricated flexible connecting cable 2 x 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 m	6XV1870-8GN10
			15 m	6XV1870-8GN15
			2.0 m	6XV1871-5TH20
			3.0 m	6XV1871-5TH30
			5.0 m	6XV1871-5TH50
	IE connecting cable IE FC RJ45 plug-180/IE FC RJ45 plug-180	Prefabricated IE FC TP trailing cable GP 2 x 2 (PROFINET type C) with two IE FC RJ45 plug 180, degree of protection IP20	10 m	6XV1871-5TN10
			15 m	6XV1871-5TN15
			1.0 m	6XV1871-5BH10
			2.0 m	6XV1871-5BH20
			3.0 m	6XV1871-5BH30
			5.0 m	6XV1871-5BH50
			10 m	6XV1871-5BN10
			15 m	6XV1871-5BN15
			20 m	6XV1871-5BN20




Electrical Industrial Ethernet (IE) cables				
	Product	Comment		Article no. *)
Industrial Ethernet FastConnect cables 2 x 2 with 10/100 Mbps (continued)				
	IE FC TP rugged food cable GP (type C)	TP installation cable 2 x 2 for use in the food and beverages industry, IP69, CAT5E, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1881-2A
	IE rugged connecting cable M12, IP69	Prefabricated IE rugged connecting cable 2 x 2 M12-180/M12-180, IP69, with two M12 connectors (D-coded), sold by the meter	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 x 2 for use in the food and beverage industry, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1871-2L
	IE FC TP marine cable (type B)	Bus cable 2 x 2 for marine and offshore use, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1840-4AH10
	IE FC TP festoon cable GP (type B)	Bus cable 2 x 2 for festoon mounting, CAT5E, min. 5 million bending cycles, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1871-2S
	IE TP ground cable (type C)	Bus cable 2 x 2 for permanent installation in the ground, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1871-2G
	IE TP train cable GP 2 (type C)	Bus cable 2 x 2 for special applications in trains, certified for railway applications, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1871-2T
Industrial Ethernet FastConnect cables 4 x 2 for 1 Gbps and 10 Gbps				
	IE FC TP standard cable GP	Standard bus cable 4 x 2, AWG22, standard cable with rigid cores for fast assembly, for permanent installation, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1870-2E
	IE FC TP standard cable GP	Standard bus cable 4 x 2, AWG24, standard cable with rigid cores for fast assembly, for permanent installation, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1878-2A
	IE FC TP flexible cable GP	Bus cable 4 x 2, AWG24/7 with flexible cores, flexible cable for fast installation, for occasionally moved machine parts, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1878-2B
	IE TP train cable GP	Bus cable 4 x 2, AWG24/7 with flexible cores for use in trains, certified for railway applications, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1878-2T
	IE FC TP trailing cable	FastConnect TP trailing cable GP 4 x 2, TP installation cable CAT6A for connecting to IE FC RJ45 plug 4 x 2, AWG24, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1878-2C
	IE connecting cable RJ45-180/RJ45-180	Prefabricated IE FC trailing cable 4 x 2 with two IE FC RJ45 plugs 180 4 x 2	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 FC TP ground cable	Ground extension cable 4 x 2, CAT6A, shielded cable for connecting to IE FC RF45 plug 4 x 2, AWG24, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1878-2G
IE hybrid cable				
	IE hybrid cable	Ethernet hybrid cable 2 x 2 + 4 x 0.34 for transmission of data and power, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1870-2J


Electrical Industrial Ethernet (IE) cables				
	Product	Comment		Article no. *)
Power cables				
	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 1000 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 1000 m, minimum order quantity 20 m		6XV1830-8AH10
	Rugged power cable 4 x 1.0	Rugged power cable, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1801-2A
	M12 rugged power connecting cable M12-180/M12-180	Prefabricated rugged 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/M12-180	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⁾
			1.5 m	6XV1801-5DH15 ¹⁾
			2.0 m	6XV1801-5DH20 ¹⁾
			3.0 m	6XV1801-5DH30 ¹⁾
			5.0 m	6XV1801-5DH50 ¹⁾
			10 m	6XV1801-5DN10 ¹⁾
	M12 power connecting cable M12-90/M12-90	Prefabricated power plug-in cable 2 x 2 for power supply of the ET 200, with M12 connector and M12 socket (A-coded)	15 m	6XV1801-5DN15 ¹⁾
			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
	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	10 m	6XV1801-5GN10
			15 m	6XV1801-5GN15
			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	6XV1878-5BN15





¹⁾ Also suitable for PROFIBUS






Electrical Industrial Ethernet (IE) cables				
	Product	Comment		Article no. *)
IE TP cord – Easy connection of terminal devices to the IE FC cabling system				
	IE TP cord RJ45/RJ45	Prefabricated 8-wire Cat6 [▲] 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 XP cord RJ45/RJ45	Prefabricated twisted 8-wire Cat6 [▲] 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 XP cord 9/RJ45	Prefabricated twisted TP cable 2 x 2 with one 9-pin Sub-D connector and one RJ45 connector	0.5 m	6XV1850-2ME50
			1.0 m	6XV1850-2MH10
			2.0 m	6XV1850-2MH20
			6.0 m	6XV1850-2MH60
			10 m	6XV1850-2MN10
	IE TP XP cord RJ45/15	Prefabricated twisted TP cable 2 x 2 with one 15-pin Sub-D connector and one RJ45 connector	0.5 m	6XV1850-2SE50
			1.0 m	6XV1850-2SH10
			2.0 m	6XV1850-2SH20
			6.0 m	6XV1850-2SH60
			10 m	6XV1850-2SN10
	IE TP cord 9-45/RJ45	Prefabricated TP cable 2 x 2 with one RJ45 connector and one Sub-D connector with 45° cable outlet (only for OSM/ESM)	1.0 m	6XV1850-2NH10
	IE TP XP cord 9-45/RJ45	Prefabricated twisted TP cable 2 x 2 with one RJ45 connector and one Sub-D connector with 45° cable outlet (only for OSM/ESM)	1.0 m	6XV1850-2PH10
	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
			10 m	6XV1850-2LN10
	IE TP cord 9/RJ45	Prefabricated TP cable 2 x 2 with one 9-pin Sub-D connector and one RJ45 connector	0.5 m	6XV1850-2JE50
			1.0 m	6XV1850-2JH10
			2.0 m	6XV1850-2JH20
			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	Prefabricated flexible 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

		Optical Industrial Ethernet (IE) cables											
		Connection options with connectors, terminals or devices											
		Fiber optic cable 50/125/1400 μm	Fiber optic cable 62.5/125 μm	PCF fiber optic cables 200/230 μm	Fiber optic cable with ST/BFOC connector	Fiber optic cable with SC connector	Fiber optic cable with LC connector	POF fiber optic cables 980/1000 μm	Fiber optic cable with SC RJ connector	Fiber optic cable with LC connector		Fiber optic cable with FC connector	
													
		FO standard cable GP FO trailing cable GP FO ground cable	Fiber optic standard cable INDOOR fiber optic indoor cable Flexible fiber optic trailing cable SIENOPYR marine duplex fiber optic cable	PCF standard cable GP PCF trailing cable GP PCF trailing cable	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 (4E9/125/900)	FO rugged cable GP (50/125/900)	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	●	●										
	LC 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										●		
	Single mode FO LC plug									●			
	FO FC ST/BFOC plug											●	●
	FO FC SC plug											●	●
G_IK10_XX_10246													

Optical Industrial Ethernet (IE) cables				
	Product	Comment	Article no. *)	
FC glass fiber optic cable				
	FC FO standard cable GP 62.5/200/230 (OM 1)	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 1000 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 load, for use in cable carriers indoors and outdoors, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1847-2C	
Glass fiber optic cable				
	FO standard cable GP 50/125/1400 (OM 2)	Glass fiber optic cable for use indoors and outdoors, UL approval, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1873-2A	
		Prefabricated with 2 x 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 x 2 SC 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
	FO FRNC cable 50/125/1400 (OM 2)	Glass fiber optic cable, halogen-free cable for use indoors and outdoors for permanent installation, UL approval, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1873-2B	
	FO FRNC cable 50/125/1400 (OM 4)	Glass fiber optic cable, halogen-free cable for use indoors and outdoors for permanent installation, UL approval, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1873-2E	
	FO trailing cable 50/125/1400 (OM 2)	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 1000 m, minimum order quantity 20 m	6XV1873-2C	
		Prefabricated with 2 x 2 ST/BFOC connectors	3.0 m	6XV1873-3CH30
			5.0 m	6XV1873-3CH50
			10 m	6XV1873-3CN10
			20 m	6XV1873-3CN20
			50 m	6XV1873-3CN50
			100 m	6XV1873-3CT10
		Prefabricated with 2 x 2 SC connectors	3.0 m	6XV1873-6CH30
			5.0 m	6XV1873-6CH50
			10.0 m	6XV1873-6CN10
			20.0 m	6XV1873-6CN20
			50.0 m	6XV1873-6CN50
			100.0 m	6XV1873-6CT10

Optical Industrial Ethernet (IE) cables			
	Product	Comment	Article no. *)
Glass fiber optic cable (continued)			
	FO trailing cable GP 50/125	Trailing cable, splittable, without connector, UL approval, sold by the meter, max. unit of delivery 1000 m, minimum order quantity 20 m	6XV1873-2D
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths	3.0 m 6XV1873-3DH30
			5.0 m 6XV1873-3DH50
			10 m 6XV1873-3DN10
			20 m 6XV1873-3DN20
			50 m 6XV1873-3DN50
			100 m 6XV1873-3DT10
	FO trailing cable GP 50/125	Prefabricated with 2 x 2 SC connectors, preferred lengths	3.0 m 6XV1873-6DH30
			5.0 m 6XV1873-6DH50
			10 m 6XV1873-6DN10
			20 m 6XV1873-6DN20
			50 m 6XV1873-6DN50
			100 m 6XV1873-6DT10
	FO ground cable 50/125/1400 (OM 2)	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 2000 m, minimum order quantity 20 m	6XV1873-2G
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths	100 m 6XV1873-3GT10
			200 m 6XV1873-3GT20
			300 m 6XV1873-3GT30
		Prefabricated with 2 x 2 SC connectors, preferred lengths	100 m 6XV1873-6GT10
			200 m 6XV1873-6GT20
			300 m 6XV1873-6GT30
	FO rugged cable GP 50/125/900 (OM 2)	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 x 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 rugged 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, single-mode, sold by the meter	6XV1843-2R
	FO cable standard cable 62.5/125/900, splittable (OM 1)	Flexible glass fiber optic cable, cable for use indoors and outdoors, sold by the meter	6XV1820-5AH10
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths	1.0 m 6XV1820-5BH10
			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

Optical Industrial Ethernet (IE) cables					
	Product	Comment	Article no. *)		
Glass fiber optic cable (continued)					
	Fiber optic indoor cable 62.5/125/900, segmentable (OM 1)	Glass fiber optic cable, crush-proof, halogen-free and flame-retardant cable for indoor installation, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m	6XV1820-7AH10		
			Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths	0.5 m	6XV1820-7BH05
				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	Flexible glass fiber optic cable, for use in cable carriers indoors and outdoors, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m	6XV1820-6AH10		
			Prefabricated with 4 ST/BFOC connectors, preferred lengths	1.0 m	6XV1820-6BH10
				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
					Fiber optic multimode cord
Prefabricated multimode glass fiber optic cable, SC/BFOC, 50/125, with 1 x SC duplex connector and 1 x ST/BFOC connector	1.0 m	6XV1843-5EH10-0CB0			
Prefabricated multimode glass fiber optic cable, SC/LC, 50/125, with 1 x SC duplex connector and 1 x LC duplex connector	1.0 m	6XV1843-5EH10-0CA0			
Prefabricated multimode glass fiber optic cable, LC/LC, 50/125, with 2 x 2 LC duplex connectors	1.0 m	6XV1843-5EH10-0AA0			
Fiber optic singlemode cord	Prefabricated single-mode glass fiber optic cable, SC/SC, 9/125, with 2 x 2 SC duplex connectors	1.0 m	6XV1843-5FH10-OC00		
	Prefabricated single-mode glass fiber optic cable, SC/BFOC, 9/125, with 1 x SC duplex connector and 1 x ST/BFOC connector	1.0 m	6XV1843-5FH10-0CB0		
	Prefabricated single-mode glass fiber optic cable, SC/LC, 9/125, with 1 x SC duplex connector and 1 x LC duplex connector	1.0 m	6XV1843-5FH10-0CA0		
	Prefabricated single-mode glass fiber optic cable, LC/LC, 9/125, with 2 x 2 LC duplex connectors	1.0 m	6XV1843-5FH10-0AA0		
Special bus cables					
	SIENOPYR fiber optic cables marine cable	Fiber optic cable for routing on ships and offshore platforms, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1830-0NH10		






Optical Industrial Ethernet (IE) cables			
	Product	Comment	Article no. *)
POF and PCF fiber optic cables			
	POF standard cable GP 980/1000 ¹⁾	Fiber optic cable with polyoptical fibers, for fixed installation indoors, UL approval, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1874-2A
	POF trailing cable 980/1000 ¹⁾	Fiber optic cable with polyoptical fibers, for moving applications (e.g. application in cable carriers), sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1874-2B
	PCF standard cable GP 200/230 ¹⁾	PCF fiber optic cable with plastic cladding, for fixed installation indoors and outdoors, UL approval, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m	6XV1861-2A
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths, pulling aid	75 m 6XV1861-3AN75
			100 m 6XV1861-3AT10
			150 m 6XV1861-3AT15
			200 m 6XV1861-3AT20
			250 m 6XV1861-3AT25
			300 m 6XV1861-3AT30
	PCF trailing cable 200/230 ¹⁾	PCF fiber optic cable with plastic cladding, used for high mechanical load and moving applications (e.g. cable carriers), no UL approval, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1861-2C
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths, pulling aid	75 m 6XV1861-3CN75
			100 m 6XV1861-3CT10
			150 m 6XV1861-3CT15
			200 m 6XV1861-3CT20
			250 m 6XV1861-3CT25
			300 m 6XV1861-3CT30
	PCF trailing cable GP 200/230 ¹⁾	PCF fiber optic cable with plastic cladding, used for high mechanical load and moving applications (e.g. cable carriers), UL approval, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m	6XV1861-2D
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths, pulling aid	75 m 6XV1861-3DN75
			100 m 6XV1861-3DT10
			150 m 6XV1861-3DT15
			200 m 6XV1861-3DT20
			250 m 6XV1861-3DT25
			300 m 6XV1861-3DT30
			400 m 6XV1861-3DT40




¹⁾ Also suitable for PROFIBUS



















Connector for Industrial Ethernet (IE)				
	Product	Comment		Article no. *)
IE FC RJ45 plug 2 x 2				
	IE FC RJ45 Plug 180	RJ45 data connector, for connecting to IE FC TP cables 2 x 2, suitable for fast assembly with the FastConnect system, 180° cable outlet	1 unit	6GK1901-1BB10-2AA0
			10 units	6GK1901-1BB10-2AB0
			50 units	6GK1901-1BB10-2AE0
	IE FC RJ45 plug 90	90° cable outlet	1 unit	6GK1901-1BB20-2AA0
			10 units	6GK1901-1BB20-2AB0
			50 units	6GK1901-1BB20-2AE0
	IE FC RJ45 Plug 145	145° cable outlet	1 unit	6GK1901-1BB30-0AA0
			10 units	6GK1901-1BB30-0AB0
			50 units	6GK1901-1BB30-0AE0
	IE RJ45 port lock	RJ45 port lock with key for mechanical locking of RJ45 ports	1 unit	6GK1901-1BB50-0AA0
IE FC RJ45 plug 4 x 2				
	IE FC RJ45 plug 180	Cat6 ^a RJ45 data connector, for connecting to IE FC TP cables 4 x 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 push-pull plug PRO				
	IE FC RJ45 plug PRO	FastConnect RJ45 data connector, 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 x 2 and IE FC TP cable 4 x 2, metal enclosure, IP65	1 unit	6GK1901-1BB21-6AA0
	IE RJ45 plug PRO	RJ45 data connector, 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 x 24 V DC	1 unit	6GK1907-0AB10-6AA0
	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 x 10/100 Mbps interface	1 unit	6GK1901-1BE00-0AA1
		With insert 1GE, replaceable insert for 1 x 1000 Mbps interfaces	1 unit	6GK1901-1BE00-0AA2
		With power insert, replaceable insert for 1 x 24 V DC and 1 x 10/100 Mbps interface	1 unit	6GK1901-1BE00-0AA3
	IE FC RJ45 modular outlet insert 2FE	Replaceable insert for FC Modular Outlet Base, 2 x RJ45 for 2 x 100 Mbps interfaces	4 units	6GK1901-1BK00-0AA1
	IE FC RJ45 modular outlet insert 1GE	Replaceable insert for FC Modular Outlet Base, 1 x RJ45 for 1 x 1000 Mbps interface	4 units	6GK1901-1BK00-0AA2
RJ45 outlet				
	IE FC outlet RJ45	For connection of Industrial Ethernet FC cables and TP cords, sliding-scale prices for 10 and 50 units	1 unit	6GK1901-1FC00-0AA0









Connector for Industrial Ethernet (IE)				
	Product	Comment		Article no. *)
M12 connectors and couplers				
	IE FC M12 plug PRO	M12 plug-in connector 2 x 2 with high degree of protection, 4-pin, D-coded, for connecting electrical cables to SCALANCE X208PRO and SCALANCE XP-200, ET 200 PRO PN or ET 200 eco PN, suitable for fast assembly with the FastConnect system	1 unit	6GK1901-0DB20-6AA0
			8 units	6GK1901-0DB20-6AA8
	IE M12 panel feedthrough	Cabinet bushing 2 x 2 for conversion of M12, D-coded, connection system (IP65) to RJ45 connection system (IP20)	5 units	6GK1901-0DM20-2AA5
			5 units	6GK1901-0DM30-2AA5
	IE FC M12 plug PRO	Cat6A M12 plug-in connector 4 x 2 with high degree of protection (IP65), 8-pin, X-coded, for connecting electrical cables to SCALANCE W and SCALANCE XP-200 (Gigabit M12 interface) suitable for fast assembly with the FastConnect system	1 unit	6GK1901-0DB30-6AA0
			8 units	6GK1901-0DB30-6AA8
	IE M12 panel feedthrough	Cabinet bushing 4 x 2 for conversion of M12, X-coded, connection system (IP65) to RJ45 connection system (IP20)	5 units	6GK1901-0DM40-2AA5
			5 units	6GK1901-0DM40-2AA5
	IE FC M12 cable connector PRO	M12 plug-in connectors for assembly in the field 4 x 2, socket, X-coded, (IP65/67)	1 unit	6GK1901-0DB40-6AA0
			8 units	6GK1901-0DB40-6AA8
	Signaling contact M12 cable connector PRO	M12 connection socket for signal contact, 5-pin, B-coded, for connecting to SCALANCE X208PRO for signal contact	3 units	6GK1908-0DC10-6AA3
	Power M12 cable connector PRO	M12 power connection socket, 4-pin, A-coded, for connecting to SCALANCE W-700 / X208PRO and SCALANCE XP-200 for 24 V DC power supply	3 units	6GK1907-0DC10-6AA3
	Power M12 plug PRO	M12 power plug-in connector, 4-pin, A-coded, for connecting to Power Supply P5791-1PRO for 24 V DC power supply	3 units	6GK1907-0DB10-6AA3
FO connectors (ST/BFOC, SC and LC)				
	FC SC plug	SC plug-in connector, for connection of glass fiber optic cables, suitable for fast assembly with the FastConnect FO system, (duplex plugs + cleaning cloths)	10 units	6GK1900-1LB00-0AC0
	FC FO LC plug	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, comprising a stripping tool, Kevlar shears, fiber breaking tool and microscope	1 unit	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	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 cable, 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
	Single-mode FO LC duplex plug	LC connector set, for connecting to Ethernet/PROFINET devices with integrated optical single-mode interface (SCALANCE XR-300EEC, XR-300, X308-2M)	1 unit	6GK1901-0SB10-2AB0

Electrical PROFIBUS (PB) cables				
	Product	Comment		Article no. *)
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 1000 m, minimum order quantity 20 m		6XV1830-0EH10
	PB FC standard bus cable	Bus cable 2 x 2 in preferred lengths, 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
	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 1000 m, minimum order quantity 20 m		6XV1831-2A
	PB FC rugged cable	Special bus cable, used in environments subject to chemical and mechanical loads, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1830-0JH10
	PB FC food cable	Bus cable, used in the food and beverages industry, sold by the meter, max. delivery quantity 1000 m, minimum order quantity 20 m		6XV1830-0GH10
	PB FC ground cable	Special bus cable, with additional protective jacket, used for underground installation, sold by the meter, max. delivery unit 1000 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 1000 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 1000 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 1000 m, minimum order quantity 20 m		6XV1831-2L
	PB festoon cable GP	Flexible bus cable, specially used for festoon attachment, sold by the meter, max. delivery unit 1000 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 1000 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 1000 m, minimum order quantity 20 m		6XV1830-0PH10
	PB hybrid standard cable GP	Hybrid cable, data and power wires, trailing-type, for supplying data and power to ET 200pro, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1860-2R
	PB hybrid rugged cable	Hybrid cable, data and power wires, rugged, 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 1000 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 1000 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 1000 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 1000 m, minimum order quantity 20 m		6XV1830-5GH10
	Foundation Field bus cable yellow	Bus cable for IEC 61158-2, 2-wire, for non-Ex applications, stranded drain wire, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1830-5HH10
Special bus cables				
	SIENOPYR PROFIBUS shipboard cable	Bus cable, 2-wire, for installation on ships and offshore platforms, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1830-0MH10

Electrical PROFIBUS (PB) cables				
	Product	Comment		Article no. *)
ECOFAST bus cables				
	PROFIBUS ECOFAST bus cable	Open-ended ECOFAST hybrid cable, data and power wires, for connecting ECOFAST devices, sold by the meter, max. delivery unit 1000 m, minimum order quantity 20 m		6XV1830-7AH10
			Open-ended, preferred lengths	20 m
		50 m		6XV1830-7AN50
		100 m		6XV1830-7AT10
		Prefabricated with ECOFAST plug and socket, fixed length	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
			20 m	6XV1830-7BN20
			25 m	6XV1830-7BN25
			30 m	6XV1830-7BN30
			35 m	6XV1830-7BN35
			40 m	6XV1830-7BN40
			45 m	6XV1830-7BN45
50 m	6XV1830-7BN50			
	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 1000 m, minimum order quantity 20 m		6XV1860-2P
			Open-ended, preferred lengths	20 m
		50 m		6XV1860-4PN50
		100 m		6XV1860-4PT10
		Prefabricated with ECOFAST plug and socket	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
			25 m	6XV1860-3PN25
			30 m	6XV1860-3PN30
			35 m	6XV1860-3PN35
			40 m	6XV1860-3PN40
			45 m	6XV1860-3PN45
50 m	6XV1860-3PN50			
Plug-in cables (prefabricated cables)				
	PB connecting cable 830-1T	Prefabricated plug-in cable, with two 9-pin Sub-D connectors, for connection of PROFIBUS devices to OLM or OBT, preferred lengths	1.5 m	6XV1830-1CH15
			3.0 m	6XV1830-1CH30
	PB connecting cable 830-2	Prefabricated plug-in cable comprising PROFIBUS standard cable, with two 9-pin connectors, for connection of PROFIBUS devices (e.g. HMI) to automation devices, preferred lengths	3.0 m	6XV1830-2AH30
			5.0 m	6XV1830-2AH50
			10 m	6XV1830-2AN10
	PB M12 plug-in cable	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 degree of protection IP65, 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
Additional special lengths with 90° or 180° cable outlet		See http://support.automation.siemens.com/WW/view/en/26999294		

Optical PROFIBUS (PB) cables			
	Product	Comment	Article no. *)
FO cables			
	PB POF standard cable	Rugged 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	6XV1821-0AH10
			50 m ring 6XV1821-0AN50
			100 m ring 6XV1821-0AT10
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths, lash length 20 cm each, for connecting OLM/P	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 lengths	75 m 6XV1821-1BN75
			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, splittable, sold by the meter, max. delivery unit 2000 m, minimum order quantity 20 m	6XV1861-2A
		Prefabricated with 2 x 2 ST/BFOC connectors, preferred lengths	75 m 6XV1861-3AN75
			100 m 6XV1861-3AT10
			150 m 6XV1861-3AT15
			200 m 6XV1861-3AT20
			250 m 6XV1861-3AT25
			300 m 6XV1861-3AT30
			400 m 6XV1861-3AT40

Connectors for PROFIBUS (PB)				
	Product	Comment		Article no. *)
PROFIBUS bus connector				
	PB FC RS485 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 RS485 plug 90	90° cable outlet (without PG interface)	1 unit	6ES7972-0BA52-0XA0
			100 units	6ES7972-0BA52-0XB0
		90° cable outlet (without PG interface, grounding via control cabinet contact surface)	1 unit	6ES7972-0BA70-0XA0
		90° cable outlet (with PG interface)	1 unit	6ES7972-0BB52-0XA0
			100 units	6ES7972-0BB52-0XB0
		90° cable outlet (with PG interface, grounding via control cabinet contact surface)	1 unit	6ES7972-0BB70-0XA0
	PB FC RS485 plug 35	35° cable outlet (without PG interface)	1 unit	6ES7972-0BA61-0XA0
		35° cable outlet (with PG interface)	1 unit	6ES7972-0BB61-0XA0
	PB RS485 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 RS485 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 RS485 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 RS485 plug 30	30° cable outlet (low-cost version, max. transmission rate 1.5 Mbps)	1 unit	6ES7972-0BA30-0XA0
	SIMATIC S5/S7 plug-in cable	Prefabricated connecting cable with two 9-pin Sub-D plugs, max. transmission rate 12 Mbps, 3 m	1 unit	6ES7901-4BD00-0XA0
	ECOFAST hybrid connector	PROFIBUS bus connector Cu with 2 x Cu shielded and 4 x Cu 1.5 mm ² , contact type: POF, Han D for 24 V, for connecting to ECOFAST hybrid cables, transmission of data and power, tool: Crimping tool, polishing set, with installation instructions with male contact insert	5 units	6GK1905-0CA00
		With installation instructions with 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 male contact insert	5 units	6GK1905-0CC00
		With installation instructions female contact insert	5 units	6GK1905-0CD00
	ECOFAST terminating plug	ECOFAST terminating plug bus terminator plug-in connector for PROFIBUS DP, 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
	Data T piece	For 2 x 24 V auxiliary voltage (switched and non-switched) and PROFIBUS DP for Cu RS 485	1 unit	3RK1911-2AG00
	Addressing plug	Addressing plug for setting the PB DP address	1 unit	6ES7194-1KB00-0XA0
Connector for assembly in the field				
	PB M12 plug-in connector	M12 plug-in connector with male contact insert, 5-pin, B-coded, male contact insert, for connecting electrical PB bus cables to ET 200	5 units	6GK1905-0EA00
		M12 plug-in connector with male contact insert, 5-pin, B-coded, female contact insert, for connecting electrical PB bus cables to ET 200	5 units	6GK1905-0EB00
	PB FC M12 plug PRO	M12 plug-in connector with male contact insert, 5-pin, B-coded, for connecting electrical PB FC bus cables to ET 200 PRO, suitable for fast assembly with the FastConnect system	1 unit	6GK1905-0EA10-6AA0
			5 units	6GK1905-0EA10
	PB FC M12 cable connector PRO	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 ET200 PRO, 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
	7/8" plug-in connector	7/8 inch connection plug with male contact insert, 5-pin For field assembly for ET 200	1 unit	6GK1905-0FA00
		7/8 inch connection plug with female contact insert, 5-pin For field assembly for ET 200	1 unit	6GK1905-0FB00
	ST/BFOC plug	20 screw connectors for on site assembly on PCF fiber optic cables, with cleaning material	1 unit	6GK1900-0HB00-0AC0

Accessories for Industrial Ethernet and PROFIBUS cables and connectors			
	Product	Comment	Article no. *)
	SIMATIC NET Manual Collection	Electronic manuals for communication systems, communication protocols, and communication products, on DVD, German/English	6GK1975-1AA00-3AA0
	IE FC Stripping Tool	Preadjusted stripping tool for fast stripping of Industrial Ethernet FC cables	6GK1901-1GA00
	IE FC Blade Cassettes	Replacement blade cassette, used for IE FC outlet RJ45, ELS TP40, 5 units, 12 mm	6GK1901-1GB00
		Replacement blade cassette, used 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 grinding paper and grinding plate (5er Set)	6GK1900-0MN00-0AA0
	PB FastConnect Stripping Tool	Preadjusted 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, comprising 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, comprising a stripping tool, Kevlar shears, SC RJ grinding plate, grinding 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, comprising a stripping tool, buffer stripping tool, Kevlar shears, fiber breaking tool, microscope	6GK1900-0NL00-0AA0
	Termination Kit Simplex plug	Assembly case for on-site assembly of PCF Simplex connectors, comprising a stripping tool, buffer stripping tool, Kevlar shears, fiber breaking tool, crimping tool and microscope	6GK1900-0KL00-0AA0
	Termination Kit ST/BFOC plug	Assembly case for on-site assembly of ST/BFOC connectors, comprising a stripping tool, buffer stripping tool, Kevlar shears, fiber breaking tool and microscope	6GK1900-0HL00-0AA0

*) Current ordering data can be found on the Internet at:
www.siemens.com/industrymall
 Conditions of sale and delivery can be found at:
www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf

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

Note:

You can receive technical advice on the SIMATIC NET cabling catalog from:
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