Overview

- Implementation of direct device connections of up to 60 m with Industrial Ethernet FC installation cable 4 x 2 without using patch technology
- Easy connection (insulation displacement contacts) for 8-core twisted pair installation cables (10/100/1000 Mbit/s) without the need for special tools
- Error-minimizing connection technique thanks to visible connection area as well as colored insulation displacement termination
- Industry-compatible design (rugged metal housing, no easily lost small parts)
- Excellent EMC shielding and deflection (metal housing)
- Integrated strain-relief for installation cables
- Compatible with the EN 50173 (RJ45) / ISO IEC 11801 standard
- Additional strain and bending relief of plug connector possible through latching of plug on device housing, e.g. with SCALANCE X, SCALANCE S.

Ordering data

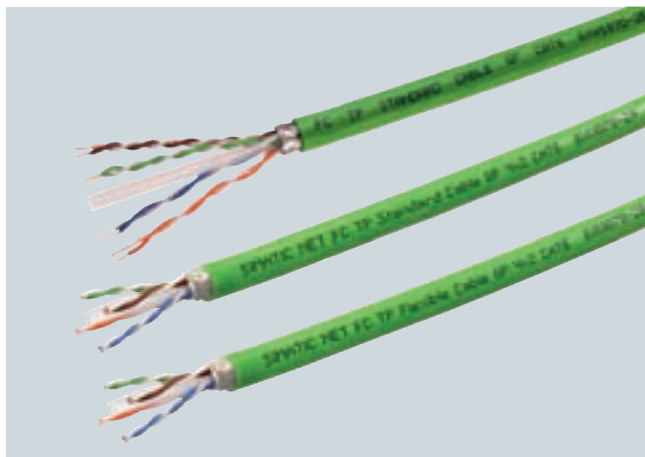|	Order No.
IE FC RJ45 Plug 4 x 2	
RJ45 plug connector for Industrial Ethernet (10/100/1000 Mbit/s) with a rugged metal housing and integrated insulation displacement contacts for connecting Industrial Ethernet FC installation cables; 180° cable outlet; for network components and CPs/CPUs with Industrial Ethernet interface	
• 1 pack = 1 unit	**6GK1 901-1BB11-2AA0**
• 1 pack = 10 units	**6GK1 901-1BB11-2AB0**
• 1 pack = 50 units	**6GK1 901-1BB11-2AE0**
IE FC stripping tool	**6GK1 901-1GA00**
Pre-adjusted stripping tool for fast stripping of Industrial Ethernet FC cables	
IE FC TP Standard Cable GP 4 x 2	
8-core, shielded TP installation cable for universal applications; with UL approval; sold by the meter; max. length 1000 m, minimum order 20 m	
• AWG 22, for connection to IE FC RJ45 Modular Outlet	**6XV1 870-2E**
• AWG 24, for connection to IE FC RJ45 Plug 4 x 2	**6XV1 878-2A**
IE FC TP Flexible Cable GP 4 x 2	
8-core, shielded TP installation cable for occasional movement; with UL approval; sold by the meter; max. quantity 1000 m, minimum order 20 m	
• AWG 24, for connection to IE FC RJ45 Plug 4 x 2	**6XV1 878-2B**
IE FC blade cassettes (5 mm)	**6GK1 901-1GB01**
Replacement blade cassette for the Industrial Ethernet stripping tool; for use with IE FC RJ45 Plugs and Modular Outlet, 5 units	

PROFINET/Industrial Ethernet
Passive network components

IE FC TP Cable 4 x 2

■ **Overview**

- 8-core FastConnect installation cables for cabling system with Gigabit capability (AWG 22 and AWG 24 versions)
- Easy stripping with the FastConnect Stripping Tool; the outer sheath and the braided shield are stripped accurately in one step
- Connection to IE FC RJ45 Modular Outlet (AWG 22) or IE FC RJ45 Plug 4 x 2 (AWG 24) using insulation-displacement technology
- Satisfies Category 6 (Cat6) of the international cabling standards ISO/IEC 11801 and EN 50173
- UL approval
- Easy length measurement thanks to printed meter markings

■ Ordering data	Order No.
IE FC TP Standard Cable GP 4 x 2	
8-core, shielded TP installation cable for universal applications; with UL approval; sold by the meter; max. length 1000 m, minimum order 20 m	
• AWG 22, for connection to IE FC RJ45 Modular Outlet	**6XV1 870-2E**
• AWG 24, for connection to IE FC RJ45 Plug 4 x 2	**6XV1 878-2A**
IE FC TP Flexible Cable GP 4 x 2	
8-core, shielded TP installation cable for occasional movement; with UL approval; sold by the meter; max. length 1000 m, minimum order 20 m	
• AWG 24, for connection to IE FC RJ45 Plug 4 x 2	**6XV1 878-2B**
IE FC stripping tool	**6GK1 901-1GA00**
Preadjusted stripping tool for fast stripping of Industrial Ethernet FC cables 4 x 2	

■ Ordering data	Order No.
IE FC Blade Cassettes (5 mm)	**6GK1 901-1GB01**
Replacement blade cassette for the Industrial Ethernet stripping tool, for use with IE FC RJ45 Plugs and IE FC RJ45 Modular Outlet, 5 units	
IE FC RJ45 Modular Outlet	
FastConnect RJ45 Outlet for Industrial Ethernet with interface for a replaceable insert;	
• Without replaceable insert	**6GK1 901-1BE00-0AA0**
• With 2FE insert; ; replaceable insert for 2 x 100 Mbit/s interfaces	**6GK1 901-1BE00-0AA1**
• With 1GE insert; replaceable insert for 1 x 1000 Mbit/s interfaces	**6GK1 901-1BE00-0AA2**
• With power insert; replaceable insert for 1 x 24 V DC and 1 x 100 Mbit/s interface	**6GK1 901-1BE00-0AA3**
IE FC RJ45 Modular Outlet Insert 2FE	**6GK1 901-1BK00-0AA1**
Replaceable insert for FC Modular Outlet Base; 2 x RJ45 for 2 x 100 Mbit/s interfaces; 1 pack = 4 items	
IE FC RJ45 Modular Outlet Insert 1GE	**6GK1 901-1BK00-0AA2**
Replaceable insert for FC Modular Outlet Base; 1 x RJ45 for 1 x 1000 Mbit/s interface; 1 pack = 4 items	
IE FC RJ45 Plug 4 x 2	
RJ45 plug connector for Industrial Ethernet with a rugged metal housing and integrated insulation displacement contacts for connecting Industrial Ethernet FC installation cables 4 x 2; 180° cable outlet; for network components and CPs/CPUs with Industrial Ethernet interface	
• 1 pack = 1 unit	**6GK1 901-1BB11-2AA0**
• 1 pack = 10 units	**6GK1 901-1BB11-2AB0**
• 1 pack = 50 units	**6GK1 901-1BB11-2AE0**
SIMATIC NET Manual Collection	**6GK1 975-1AA00-3AA0**
Electronic manuals for communication systems, communication protocols, and communication products; on DVD; German/English	