

Passive components

Introduction

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IE-LINE plug-in connectors

Clever and flexible with **STEADYTEC®** technology



STEADYTEC® – this name stands for the future of connection technology in the field of data and signal transmissions. Established market leaders in the industry, **STEADYTEC®** forms the foundation for reliable, application-orientated, standards-compliant solutions - for offices through to areas with harsh industrial conditions.

The objective: The development of reliable plug-in connector technologies for industrial applications. Technologies that satisfy the highest customer demands and hence enable new, specialised and dependable solutions.

The result: An extremely reliable, extraordinarily practical, flexible and especially efficient plug-in connector system for office and industrial applications. And using products whose characteristics accurately reflect the values originally laid out:

- fast
- reliable
- solution-based
- simple

The Ethernet connector system: clever – flexible

Connectors for modern industrial applications need to be designed in such a way that they simplify processes and cope with faster data transmission. Weidmüller's Ethernet connectors keep you a step ahead. These products are not only ready for 10 gigabit, they are also standardised for IEC 61076-3-106 and IEC 61076-3-117. In addition, the connector variants 4 (Ethernet TCP/IP), variants 5 and 1 (Ethernet IP) and variant 14 (PROFINET/AIDA) which are named in these standards are all specified as mandatory in the standards covering generic cabling systems for industrial premises: ISO/IEC 24702, IEC 61918 (Automation Island), as well as for Fieldbus installations IEC 61784-5. What's more, you have a unique choice of versions made of plastic or metal as well as inserts for copper and fibre-optic cabling. All of the connectors are designed for ease of use and for quick on-site assembly. They are also modular and can be tailored to suit your application.





Tool-free assembly and powerful connections: the RJ45 gigabit connector!

You can now securely plug the connector you need directly into your machinery with very little effort – and without a single tool! The 10-gigabit connector, with IDC-connection, was developed to provide quick, simple, secure and, most importantly, tool-free wiring.

In addition, zinc die-casting makes the connector more robust and therefore suitable for industrial applications and as it is fitted with a protected locking clip means it is suitable for meeting the requirements of harsh industrial environments. Weidmüllers IE product line fulfills the requirements for 10 GBit Ethernet, according to IEEE 802.3an, up to 500 MHz.

STEADYTEC®: Systematic benefits

- **Cat. 6A 10 GBit System Class EA**
- **Assembly without tools in the field**
- **Countless variations thanks to highly diverse combinations of inserts**
- **Unrestricted compatibility because standardised to IEC 61076-3-106**
- **Reliable and long-lasting thanks to use of diecast zinc**
- **Suitable for industry thanks to IP 67 class of protection**
- **Simple ordering procedure and low storage costs thanks to Weidmüller's modular system**



1. Strip sheath cladding and shorten shield to 5 mm



2. Prepare wires and shorten



3. Snap together the two pluggable elements



4. Finished

Cable configurator

Tailor-made connections

The cable configurator allows you to configure your specific cable with comfort, speed and simplicity. Just select, request order – and you are finished!

Make your selection from the list of available cables (material for cable sheathing, category, colour, ...). Next, choose the connector for both the right and left cable ends and then choose the cable length. Configurations which are not possible are marked in red, so that it is not possible to create an unsupported or wrong configuration.

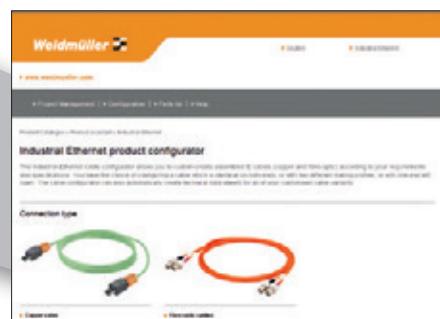


The Industrial Ethernet Configurator can be found in our online catalogue.

Our configurator creates connections tailor-made.

Weidmüller

You will be forwarded directly and will be able to configure a fibre-optic or copper cable.



After you have made your selection, there are several available options:

- Locate and display the data sheet for the assembled cable
- Export the information in Excel or CSV format
- Save the configuration
- Create additional cables or load previous cables
- Place the assembled cable in the shopping cart to obtain a quote or to order



Practically all types of connectors and cables can be combined to your requirements!

The screenshot shows the Weidmüller Industrial Ethernet product configurator. At the top, there's a navigation bar with links for "Weidmüller", "Log in", "Logout", and "Industrial Ethernet". Below that is a search bar with the placeholder "Search products and services". The main content area has a title "Industrial Ethernet product configurator" and a sub-section "Configuration - Ethernet cable". It displays a diagram of a green cable with two RJ45 connectors. Below the diagram, there are dropdown menus for "Plug A" (selected: RJ45 M8 DIN Rail) and "Plug B" (selected: RJ45 M8 DIN Rail). Under "Type profile", "RJ45", is selected. Under "Outer jacket", "PVC" is selected. Under "Outer sheath", "green" is selected. There are also fields for "Length (m)" (set to 10) and "Interlengths" (set to 0). At the bottom right of the configuration section, there are buttons for "Next step" and "Back to catalog for connection type".

From office communication to Industrial Ethernet

An overview of the differences

Office Ethernet



Industrial Ethernet



- Cabling**
- Fixed building installation
 - Variable connection options
 - Pre-assembled connection cables
 - Star topology most widely in use

- Individual plant-influenced networks
- Robust component characteristics
- On-site, user assembly connections
- Redundant network topologies (ring)

- Transmission**
- Large volume of data
 - Mid-level network availability
 - Mostly only acyclical transmission
 - No real-time characteristics required for standard applications

- Small data packets (measurement values)
- Very high network availability
- Extremely high real-time requirement
- Mostly cyclical transmission

- Surroundings**
- No extreme conditions

- Extreme temperatures
- Dust, dirt, splashing water, oils gases,
- Vibration, electromagnetic fields
- Risks of danger and damage from mechanical or chemical influences



Unlimited combinations of IE-LINE plug-in connectors

The modular principle

	Plug insert	Plug housing	Flange-mounted housing	Flange insert
Copper	 RJ45 crimp	 HDC RockStar® / Variant 5		 RJ45 coupling
	 RJ45 can be assembled on-site	 Push-Pull / Variant 14	 Bayonet / Variant 1, plastic	 RJ45 Modul A, B, P
Fibre-optic	 2xSC	 Push-Pull / Variant 4	 Bayonet / Variant 1, metal	 USB-A coupling
	 LC duplex	 Push-Pull / Variant 14	 Push-Pull / Variant 14	 2SC/SCRJ adapter
				 LC duplex adapter

Take advantage of maximum flexibility! The range of products guarantees you significant advantages for your industrial applications - in planning, assembling and everyday operations. All variants are designed for IP 67 protection.

The Weidmüller products take account of the latest market conditions and most recent international standards. In doing so we offer you a limitless choice. What that means is that you get exactly the products you need for your application!

Features

- The only 8-core, on-site assembled, RJ45 connector for 10 Gigabit-Ethernet (Cat. 6_A / Class E_A).
- Larger cable sheath diameter range (up to 10 mm) for variants V4, V1, and V14. For V5 up to 12 mm.
- Suitable for connecting stranded conductors in sizes AWG 27/7 to AWG 22/7; solid conductors in sizes AWG 27/1 to 22/1.
- Modules and couplers have a robust diecast zinc housing.
- Design results in enhanced vibration and shock resistance for couplers and RJ45 modules.
- Variable bulkhead housing fixing options for variants V1 and V4.
- Additional marking surfaces on plug and bulkhead housing, subsequent colour coding of IP 20 and IP 67 plug-in connectors.
- Dirt-resistant housing design with enhanced resistance to oils, greases, acids and alkalis.

IE-LINE connectors: selection chart



Metal plug

Housings				Variant 1 Bayonet		Variant 14 PushPull RJ		Variant 14 PushPull fibre-optic		Var. 5 HDC	
				With KS	Without KS	Without KS	Without KS	Without KS	Without KS	Without KS	Without KS
	RJ45 AWG 24 crimp		1962720000	1963150000	1963140000	1012160000				1963110000	
	RJ45 AWG 22 tool-free	TIA-A/B/P TIA-A TIA-B PROFINET	1962730000 1132010000 1132020000 1132030000	1963130000 1963120000		1012170000				1963200000 1271250000	
	LWL SC	Multimode Singlemode POF	1067380000 1067390000 1067410000	1963270000 1963310000 1963300000	1963260000				Please order separately		
	LWL LC	Multimode Singlemode	1962780000 1962790000	1963230000 1963250000	1963220000 1963240000				1191550000		
	Protective cap			1965690000		1058280000		1058280000		1968920000	

KS = anti-kink protection

Plastic plug

Housings				Variant 1 Bayonet		Variant 4 PushPull			
				With KS	Without KS	With KS	Without KS	Individual components	Sets
	RJ45 AWG 24 crimp		1962720000	1012460000	1012440000	1962530000	1962520000		
	RJ45 AWG 22 tool-free	TIA-A/B/P TIA-A TIA-B PROFINET	1962730000 1132010000 1132020000 1132030000	1012570000	1012490000	1963170000	1963160000		
	LWL SC	Multimode Singlemode	1067380000 1067390000	Please order separately		1963370000	1963360000		
	LWL LC	Multimode Singlemode	1962780000 1962790000	Please order separately		1963330000	1963320000		
	Protective cap			1965690000		1963890000			

KS = anti-kink protection

V1 with SC multimode
1963260000V5 with RJ45 crimp
1963110000V4 with LC multimode
1063320000V14 with RJ45 tool-free
1012170000

**Metal flange**

Housings				Variant 1 Bayonet	Variant 14 PushPull RJ	Variant 14 PushPull fibre-optic	Variant 5 HDC
				1963540000	1011540000	1047950000	
				1963470000	1012310000	1058250000	
							1963530000
	RJ45 coupling		1962840000				
				1963470000	1012310000	1058250000	
							1963510000
	RJ45 module	TIA-A	1962850000	1963480000	1012320000	1058270000	
		TIA-B	1963840000	Please order separately	Please order separately	Please order separately	
		PROFINET	1963830000	Please order separately	1085260000	Please order separately	
		SC/SCRJ coupling	Multimode	1964430000	1964450000		1058120000
			Singlemode	1962870000	1963440000		1062590000
		LC Duplex coupling	Multimode	1964420000	1964440000		1062610000
			Singlemode	1962880000	1963430000		1062620000
	USB coupling		1019570000	Please order separately	Please order separately	Please order separately	
							Please order separately
	Protective cap			1965700000	1058310000	1058310000	1058310000
							1968930000

Plastic flange

Housings				Variant 1 Bayonet	Variant 4 PushPull	Individual components	
				1016960000	1963520000		
	RJ45 coupling		1962840000				
				1012370000	1963490000		
	RJ45 module	TIA-A	1962850000	1012380000	1963500000		
		TIA-B	1963840000	Please order separately	1963730000		
		PROFINET	1963830000	Please order separately	Please order separately		
		SC/SCRJ coupling	Multimode	1964430000	Please order separately	1964470000	
			Singlemode	1962870000	Please order separately	1963420000	
		LC Duplex coupling	Multimode	1964420000	Please order separately	1964460000	
			Singlemode	1962880000	Please order separately	1963450000	
	USB coupling		1019570000	Please order separately	Please order separately		
	Protective cap			1965700000	1963900000		

V5 with RJ45 coupling
1963510000V1 with SC multimode
1964450000V4 with LC multimode
1964460000V14 with RJ45 module
1012320000

Customised cabling solutions for PROFINET and SERCOS III

Weidmüller's cabling products enable you to create a specific infrastructure that meets all the requirements of PROFINET and SERCOS III.

The cabling components for copper and fibre-optic cables are designed and tested for use in harsh industrial conditions. Interoperability in the system is assured by the PROFINET and SERCOS cabling guidelines that specifically prescribe the interfaces to be used. For PROFINET this is guaranteed through the manufacturer's declaration.

G

Comprehensive protection against disturbance by electromagnetic fields is achieved through the use of high quality shielding of the cables and the related connection components. Significant system reserves are offered through the star quad design of the cables and their wire cross-section of AWG 22. Stable real-time transmission is guaranteed, for applications such as PROFINET IRT or SERCOS III typical hardware synchronisation, by the low signal transmission time differences resulting from the cable construction. At the same time the cables offer high crush resistance for reliable installation in industrial applications.

The cabling components are also remarkably easy to handle when out in the field. The plug-in connectors for copper and fibre-optic can all be assembled on-site. This reduces installation time, reduces errors and simplifies maintenance.



Sercos
the automation bus

Profile specific guidelines for the connection components

Cable:

- Quad-star design of AWG 22

Connector:

- IP 20 RJ45
- IP 20 SC-RJ
- IP 67 PushPull RJ45
- IP 67 PushPull Power
- IP 67 PushPull SC-RJ
- IP 67 M12 D-coding



Weidmüller offers you a wide range of cabling solutions for PROFINET and SERCOS III applications. IP 20 plug-in connectors for copper and fibre-optic cables are also included as well as IP 67 plug-in connectors and junction

boxes for the toughest requirements. The components are designed to be used together from the floor distributors down to the machines.

IP 67
assembled RJ45 cables



IP 67
assembled M12 cables



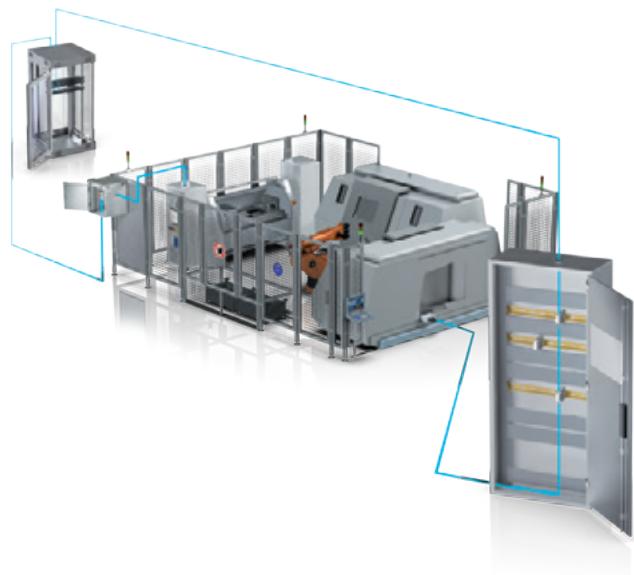
IP 67
plug-in M12 connectors



IP 67
connection components



Cable by the metre
copper and fibre-optic



IP 67
plug-in connectors data / power



IP 67
flanges data / power



IP 20
plug-in connector



IP 20
assembled cables



IP 20
mounting rail outlets



IP 65
service interfaces



Selection table

Ideal combinations



Sercos
the automation bus

IP 20 plug-in connector



Description	Type	Order No.
RJ45 tool-free PROFINET printing	IE-PS-RJ45-FH-BK-P	1132060000
RJ45 tool-free angled Profinet printing	IE-PS-RJ45-FH-90-P-1.6	1518100000
SC-RJ for POF fibres 1 mm	IE-PS-SCRJ1-POF	1206720000
SC-RJ for multimode fibres 50/62.5 µm	IE-PS-SCRJ1-MM	1206730000
SC-RJ for singlemode fibres 9 µm	IE-PS-SCRJ1-SM	1206740000

IP 20 assembled data cables



Description	Type	Order No.
RJ45 patch cable PVC type B - 1 m	IE-C5DS4VG0010A60A60-E	1522100010
RJ45 patch cable PVC type B - 3 m	IE-C5DS4VG0030A60A60-E	1522100030
RJ45 patch cable PVC type B - 5 m	IE-C5DS4VG0050A60A60-E	1522100050
RJ45 patch cable PVC type B - 10 m	IE-C5DS4VG0100A60A60-E	1522100100
SC-RJ zipcord patch cable - POF - 1 m	IE-FP0Z2EE0001MSJOSJO-X	1273430010
SC-RJ zipcord patch cable - POF - 3 m	IE-FP0Z2EE0003MSJOSJO-X	1273430030
SC-RJ zipcord patch cable - POF - 5 m	IE-FP0Z2EE0005MSJOSJO-X	1273430050
SC-RJ zipcord patch cable - POF - 10 m	IE-FP0Z2EE0010MSJOSJO-X	1273430100

Further PROFINET cables - SERCOS III cables can be found in Chapter L

IP 20 mounting rail outlets



Description	Type	Order No.
RJ45 coupling	IE-T0-RJ45-C	8946920000
RJ45 module PROFINET printing	IE-T0-RJ45-FJ-P	8946950000
SC-RJ POF coupling / multimode	IE-T0-SCRJ-MM	8946990000
SC-RJ singlemode coupling	IE-T0-SCRJ-SM	8947000000

IP 65 service interface



Beschreibung	Type	Order No.
FrontCom® Micro RJ45 coupling	IE-FCM-RJ45-C	1018790000
FrontCom® Micro RJ45 module PROFINET printing	IE-FCM-RJ45-FJ-P	1018830000

IP 67 flange data



Description	Type	Order No.
PushPull standard flange RJ45 coupling	IE-BSS-V14M-RJ45-C	1012310000
PushPull central cable gland RJ45 coupling	IE-BSC-V14M-RJ45-C	1058250000
PushPull standardised flange RJ45 module PROFINET printing	IE-BSS-V14M-RJ45-FJ-P	1085260000
PushPull standardised flange hybrid (Q10) 10-pole module without contacts	IE-BSS-V14M-HYB-10P-FJ	1072900000
Contacts for Hybrid (Q10) module 0.5 mm² - 0.75 mm² VPE 300	IE-BIC-HYB-P-0,75-300	1068970000
Contacts for Hybrid (Q10) module 0.2 mm² - 0.5 mm² VPE 300	IE-BIC-HYB-P-0,5-300	1096150000
PushPull standardised flange SC-RJ coupling POF / multimode	IE-BSS-V14M-SCRJ-MM-C	1058120000
PushPull standardised flange SC-RJ coupling singlemode	IE-BSS-V14M-SCRJ-SM-C	1058140000
PushPull central cable gland SC-RJ coupling POF / multimode	IE-BSC-V14M-SCRJ-MM-C	1062590000
PushPull central cable gland SC-RJ coupling singlemode	IE-BSC-V14M-SCRJ-SM-C	1062600000
PushPull device flange	IE-BHD-V14M	1047940000
PushPull flange protective cap IP 67	IE-BP-V14P	1058310000

other inserts can be found in Chapter J

IP 67 Power connectors



Description	Type	Order No.
PushPull Power with 24 V / 16 A use	IE-PS-VAPM-24V	1068910000
PushPull Power with 400 V / 16 A use	IE-PS-VAPM-400V	1323940000

IP 67 flange power



Description	Type	Order No.
PushPull Power standardised flange with 24 V / 16 A use	IE-BSS-VAPM-24V	1069030000
PushPull Power standardised flange with 400 V / 16 A use	IE-BSS-VAPM-400V	1323950000
PushPull Power device flange	IE-BHD-VAPM	1068920000
PushPull Power flange protective cap IP 67	IE-BP-VAPP	1068930000

IP 67 data connectors

Description	Type	Order No.
PushPull RJ45 tool-free module PROFINET printing	IE-PS-V14M-RJ45-FH-P	1012170000
PushPull Hybrid (Q10) use, 10-pole module without contacts	IE-PS-V14M-HYB-10P	1072910000
Contacts for Hybrid (Q10) use 0.75 mm ² VPE 300	IE-PIC-HYB-S-0,75-300	1068950000
Contacts for Hybrid (Q10) use 0.2 mm ² - 0.5 mm ² VPE 300	IE-PIC-HYB-S-0,2-0,5-300	1096180000
PushPull SC-RJ use POF 1 mm	IE-PS-V14M-2SC-POF	1191550000
PushPull plug protective cap IP 67	IE-PP-V14P	1058280000

IP 67 assembled data cables

Description	Type	Order No.
PushPull RJ45 patch cable PUR - Type C - 1 m	IE-C5DD4UG0010A2EA2E-X	1119730010
PushPull RJ45 patch cable PUR - Type C - 3 m	IE-C5DD4UG0030A2EA2E-X	1119730030
PushPull RJ45 patch cable PUR - Type C - 5 m	IE-C5DD4UG0050A2EA2E-X	1119730050
PushPull RJ45 patch cable PUR - Type C - 10 m	IE-C5DD4UG0100A2EA2E-X	1119730100

Further PROFINET cables - SERCOS III cables can be found in Chapter L

IP 67 plug connector M12 D-coded and X-Type

M 12 components can be found in Chapter J

IP 65 connection components

Description	Type	Order No.
FreeCon passive double junction box RJ45/Power	IE-CD-V14MRJ/VAPM24V-FJ	1068830000
FreeCon passive single junction box RJ45	IE-CD-V14MRJ-FJ	1068880000
FreeCon passive single junction box Hybrid (Q10) without contacts	IE-CD-V14MHYB-10P-FJ	1068850000
Contacts for Hybrid (Q10) module 0.75 mm ² VPE 300	IE-BIC-HYB-P-0,75-300	1068970000
Contacts for Hybrid (Q10) module 0.2 mm ² - 0.5 mm ² VPE 300	IE-BIC-HYB-P-0,2-0,5-300	1096150000
Mounting foot for junction boxes	IE-CD-MA	1099580000
FreeCon passive double coupling RJ45/Power	IE-CD-V14MRJ/VAPM24V-C-MA	1068820000
FreeCon passive single coupling RJ45	IE-CD-V14MRJ-C-MA	1068870000
FreeCon passive single coupling hybrid (Q10)	IE-CD-V14MHYB-10P-C-MA	1068840000
FreeCon PushPull Power Y-distributor	IE-CD-VAPM24V-Y-MA	1297010000
FreeCon PushPull Power single coupling	IE-CD-VAPM24V-C-MA	1397690000
FreeCon passive single coupling SCRJ	IE-CD-V14MSCRJ-MM-C-MA	1318150000
FreeCon active FO PROFINET repeater	IE-CDR-V14MSCP0F/VAPM-C	1253240000
FreeCon active PROFINET media converter	IE-CDM-V14MRJSCP/VAPM-C	1324440000
PushPull flange protective cap IP 67	IE-BP-V14P	1058310000
FreeCon passive cable coupling RJ45	IE-CC-V14M-RJ45-FJ-P	1990600000
FreeCon passive cable coupling hybrid	IE-CC-V14M-HYB-10P-FJ	1990610000
Mounting frame FreeCon cable coupling RJ45 / hybrid	IE-CC-V14M-MF	1990620000
FreeCon passive cable coupling power	IE-CC-VAPM-24V	1990630000
Mounting frame FreeCon cable coupling power	IE-CC-VAPM-MF	1990640000

Bulk stock copper cable

Description	Type	Order No.
100 m ring installation cable PVC type A	IE-C5AS4V1000	8899000000
Bulk stock installation cable PVC type A from 110 m	IE-C5AS4VG-MW	8955950000
100 m ring connection cable PVC type B	IE-C5DS4V1000	8898990000
Bulk stock connection cable PVC type B from 110 m	IE-C5DS4VG-MW	8955560000
100 m ring dragline cable PUR type C	IE-C5DD4U1000	8899010000
Bulk stock dragline cable PUR type C from 110 m	IE-C5DD4UG-MW	8947670000
Torsion cable PUR type C available by the metre from 110 m	IE-C5IT4UG-MW	1103010000
Bulk stock hybrid cable PVC from 110 m	IE-C5DHAG-MW	1172250000

Bulk stock fibre-optic cable

Description	Type	Order No.
Multimode breakout cable 2x50 µm PUR from 50 m	IE-FM5B2UE-MW	8946000000
POF zip-cord cable 2X980/1000 µm TPE, from 50 m	IE-FPOZ2EE-MW	1242820000
POF breakout cable 2X980/1000 µm TPE, from 50 m	IE-FP0D2UE-MW	1172280000

Customised cabling solutions for Ethernet/IP

The wiring guidelines for EtherNet/IP clearly define the interfaces to be used to ensure interoperability in EtherNet/IP systems.

Weidmüller offers all the cabling products needed to build a requirement specific infrastructure which is tailored to the needs of EtherNet/IP.

The wiring components for copper and fibre-optic cables are designed and tested for use in harsh industrial environments. The user is provided with clear guidelines about the requirements of the components for use in industrial environments with the introduction of the MICE classification (EtherNet/IP Media Planning and Installation Manual).

The high-quality shielding of the cables and connection components offers comprehensive protection against electromagnetic interference.

The cables are 8-wire twisted-pair cables for RJ45 or star quad for use in M12.

The cabling components are also easy to handle in the field. The plug-in connectors for copper and fibre optic cables can all be assembled on-site. This reduces installation time, reduces errors and simplifies maintenance.

The connectors wire/pin assignment is either according to TIA568-A or TIA568-B as required. The connectors and modules are marked accordingly, making them easier to connect.



Profile specific guidelines for the connection components

Cable:

- 8-wire twisted-pair shielded cables

Connector:

- IP 20 RJ45
- IP 20 SC-RJ
- IP 67 bayonet RJ45
- IP 67 bayonet SC-RJ
- IP 67 M12 D-coding



Weidmüller offers you a wide range of cabling solutions for EtherNet/IP applications. IP 20 plug-in connectors for copper and fibre-optic cables are available, as well as IP 67 connectors and junction boxes for the most exacting

requirements. The components are designed to be used together from the floor distributors down to the machines.

IP 67
assembled RJ45 cables



IP 67
assembled M12 cables



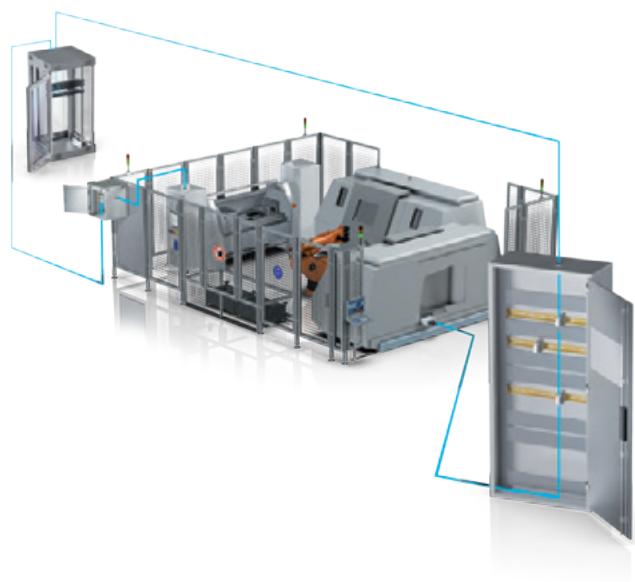
IP 67
plug-in M12 connectors



IP 67
connection components



Cable by the metre
copper and fibre-optic



IP 67
plug-in connectors data



IP 67
flanges data / power



IP 20
plug-in connector



IP 20
assembled cables



IP 20
mounting rail outlets



IP 65
service interfaces



Selection table

Ideal combinations for a perfect fit



IP 20 plug-in connector

Description	Type	Order No.
RJ45 crimp	IE-PS-RJ45-TH-BK	1963590000
RJ45 tool-free TIA-A printing	IE-PS-RJ45-FH-BK-A	1132040000
RJ45 tool-free TIA-B printing	IE-PS-RJ45-FH-BK-B	1132050000
SC-RJ for 1 mm POF fibres	IE-PS-SCRJ1-POF	1206720000
SC-RJ for multimode fibres 50/62.5 µm	IE-PS-SCRJ1-MM	1206730000
SC-RJ for singlemode fibres 9 µm	IE-PS-SCRJ1-SM	1206740000

IP 20 assembled data cables

Description	Type	Order No.
RJ45 patch cables - see CabinetLine		
SC-RJ zipcord patch cable - POF - 1 m	IE-FP02ZEE0001MSJOSJO-X	1273430010
SC-RJ zipcord patch cable - POF - 3 m	IE-FP02ZEE0003MSJOSJO-X	1273430030
SC-RJ zipcord patch cable - POF - 5 m	IE-FP02ZEE0005MSJOSJO-X	1273430050
SC-RJ zipcord patch cable - POF - 10 m	IE-FP02ZEE0010MSJOSJO-X	1273430100
Other EtherNet/IP cables available on request		

IP 20 mounting rail outlets

Description	Type	Order No.
RJ45 coupling	IE-TO-RJ45-C	8946920000
RJ45 Module TIA-A printing	IE-TO-RJ45-FJ-A	8946930000
RJ45 Module TIA-B printing	IE-TO-RJ45-FJ-B	8946940000
SC-RJ POF coupling / multimode	IE-TO-SCRJ-MM	8946990000
SC-RJ singlemode coupling	IE-TO-SCRJ-SM	8947000000

IP 65 service interface

Description	Type	Order No.
FrontCom® Micro RJ45 coupling	IE-FCM-RJ45-C	1018790000
FrontCom® Micro RJ45 module TIA-A printing	IE-FCM-RJ45-FJ-A	1018810000
FrontCom® Micro RJ45 module TIA-B printing	IE-FCM-RJ45-FJ-B	1018820000

IP 67 flange data

Description	Type	Order No.
Bayonet flange metal RJ45 coupling	IE-BS-V01M-RJ45-C	1963470000
Bayonet flange metal RJ45 module TIA-A printing	IE-BS-V01M-RJ45-FJ-A	1963480000
Bayonet flange plastic RJ45 coupling	IE-BS-V01P-RJ45-C	1012370000
Bayonet flange metal RJ45 module TIA-A printing	IE-BS-V01P-RJ45-FJ-A	1012380000
Bayonet flange metal SC-RJ POF / multimode	IE-BS-V01M-SCRJ-MM	1221010000
Bayonet flange metal SC-RJ singlemode	IE-BS-V01M-SCRJ-SM	1221020000
Bayonet flange protective cap IP 67	IE-BP-V01P	1965700000
Other inserts can be found in Chapter J		

IP 67 data connectors

Description	Type	Order No.
Bayonet plug metal RJ45 crimped	IE-PS-V01M-RJ45-TH	1963140000
Bayonet plug metal RJ45 tool-free	IE-PS-V01M-RJ45-FH	1963120000
Bayonet plug plastic RJ45 crimped	IE-PS-V01P-RJ45-TH	1012470000
Bayonet plug plastic RJ45 tool-free	IE-PS-V01P-RJ45-FH	1012490000
Bayonet plug metal SC-RJ use POF	IE-PS-V01M-2SC-POF	1963280000
Bayonet plug metal SC-RJ use multimode	IE-PS-V01M-2SC-MM	1963260000
Bayonet plug metal SC-RJ use singlemode	IE-PS-V01M-2SC-SM	1963300000
Bayonet plug protective cap IP 67	IE-PP-V01P	1965690000

IP 67 assembled data cables

Description	Type	Order No.
Bayonet metal RJ45 patch cable PUR 1 m	IE-C5ES8UG0010B41B41-E	1066850000
Bayonet metal RJ45 patch cable PUR 2 m	IE-C5ES8UG0020B41B41-E	1066860000
Bayonet metal RJ45 patch cable PUR 5 m	IE-C5ES8UG0050B41B41-E	1066870000
Bayonet metal RJ45 patch cable PUR 10 m	IE-C5ES8UG0100B41B41-E	1066880000
Bayonet plastic RJ45 patch cable PUR 1 m	IE-C5ES8UG0010P41P41-E	1106010000
Bayonet plastic RJ45 patch cable PUR 2 m	IE-C5ES8UG0020P41P41-E	1106020000
Bayonet plastic RJ45 patch cable PUR 5 m	IE-C5ES8UG0050P41P41-E	1106030000
Bayonet plastic RJ45 patch cable PUR 10 m	IE-C5ES8UG0100P41P41-E	1106040000
Other EtherNet/IP cables available on request		

IP 67 plug-in M12 connectors

M 12 components can be found in Chapter J

IP 65 connection components

Description	Type	Order No.
Single junction box, plastic	IE-OP-V01P-1S	1061830000
Plastic cable coupling	IE-CC-V01P	1061820000
RJ45 module TIA-A printing	IE-BI-RJ45-FJ-A	1962850000
RJ45 module TIA-B printing	IE-BI-RJ45-FJ-B	1963840000

Bulk stock copper cable

Description	Type	Order No.
100 m ring installation cable PVC Cat. 5 SF/UTP	IE-5IC4x2xAWG24/1-PVC	8813150000
Bulk stock installation cable PVC Cat. 5 SF/UTP from 110 m	IE-C5CS8VG-MW	8953160000
100 m ring installation cable PUR Cat. 5 SF/UTP	IE-5IC4x2xAWG24/1-PUR	8813160000
Bulk stock installation cable PUR Cat. 5 SF/UTP from 110 m	IE-C5CS8UG-MW	8944310000
100 m ring connection cable PVC Cat. 5 SF/UTP	IE-5CC4x2xAWG26/7-PVC	8813190000
Bulk stock connection cable PVC Cat. 5 SF/UTP from 110 m	IE-C5ES8VG-MW	8955490000
100 m ring connection cable PUR Cat. 5 SF/UTP	IE-5CC4x2xAWG26/7-PUR	8813200000
Bulk stock connection cable PUR Cat. 5 SF/UTP from 110 m	IE-C5ES8UG-MW	8938880000
Other EtherNet/IP cables available on request		

Bulk stock fibre-optic cable

Description	Type	Order No.
Multimode breakout cable 2x50 µm PUR from 50 m	IE-FM5B2UE-MW	8946000000
POF zip-cord cable 2X980/1000 µm TPE, from 50 m	IE-FPOZ2EE-MW	1242820000
POF breakout cable 2X980/1000 µm TPE, from 50 m	IE-FPOD2UE-MW	1172280000

