

Patch cables for control cabinet construction

More speed, clarity, and safety – with CabinetLine

Industrial Ethernet



Weidmüller 



Organisation, clarity and safety in the control cabinet

CabinetLine patch cables from Weidmüller

CabinetLine patch cables bring structure to your industrial network infrastructure.

Whether for clear separation of different networks, fast visual identification, or meeting specific customer requirements – the wide colour range of LSZH (Low Smoke Zero Halogen) cables enables a neat and well-planned cabling concept.

Developed for industry – robust and safe

The patch cables are specially designed for industrial use. The LSZH jacket meets the highest safety standards in the event of fire, while also complying with the demanding requirements of industrial environments. Grey cables are available in both straight and angled versions – ensuring maximum flexibility and reliability in the control cabinet.

Top performance for demanding networks

With Cat.6A performance, the patch cables ensure interference-free data transmission up to 10 Gbit/s – ideal for modern, high-performance industrial applications.

Approvals and wide variety

All CabinetLine patch cables (except PVC versions) are cULus-approved and therefore suitable for worldwide use. The LSZH versions also feature CC-Link certification. In addition, Cat.5 variants with PVC or PUR jackets and Cat.6 variants with PUR jackets are available.

Thought-out design down to the smallest detail

All variants feature tamper-proof overmoulding with integrated strain relief and latch protection, which also allows pulling through cable ducts.

For even greater flexibility, the optional Cable Bender makes it easy to bend straight cables into an angled form – without exceeding the bend radius or risking cable damage.

The advantages at a glance:

- **Optimised for industry** – ideal for demanding applications in control cabinet construction
- **Wide range of colours** – for structured cabling, clear network allocation and individual customer requirements
- **Robust LSZH jacket** – halogen-free, flame-retardant and low smoke for increased safety in industrial environments
- **Tamper-proof overmoulding with secure latching** – reliably prevents accidental disconnection or manipulation
- **Strain relief with latch protection** – prevents cable breakage and extends service life
- **Cat.6A standard** – for reliable high-speed data transmission up to 10 Gbit/s
- **Straight and angled versions** – flexible use depending on available space in the control cabinet
- **Cable Bender (optional)** – quickly transforms a straight patch cable into an angled one, safely and without exceeding the bend radius. This eliminates the need to stock angled versions – significantly reducing product variety and inventor



CabinetLine patch cables

For organisation, safety and performance in the control cabinet

With CabinetLine patch cables from Weidmüller, you bring order, clarity and safety to your control cabinet.

The wide range of colours enables clearly structured cabling, simplifies visual orientation, and supports the clean separation of different networks. Specially developed for industrial use, the cables feature a robust LSZH jacket for maximum safety in the event of fire, as well as tamper-proof overmoulding, integrated strain relief and bend protection, and a choice of straight or angled versions.

For maximum flexibility, straight patch cables can be easily adapted into angled form using the optional Cable Bender – tool-free, without exceeding the bend radius. Thanks to Cat.6A performance, CabinetLine cables deliver powerful, interference-free data transmission up to 10 Gbit/s.

If the cable length does not fit, or if a new connector is required for other reasons, our field-attachable STEADYTEC® RJ45 connector can be mounted quickly and easily.

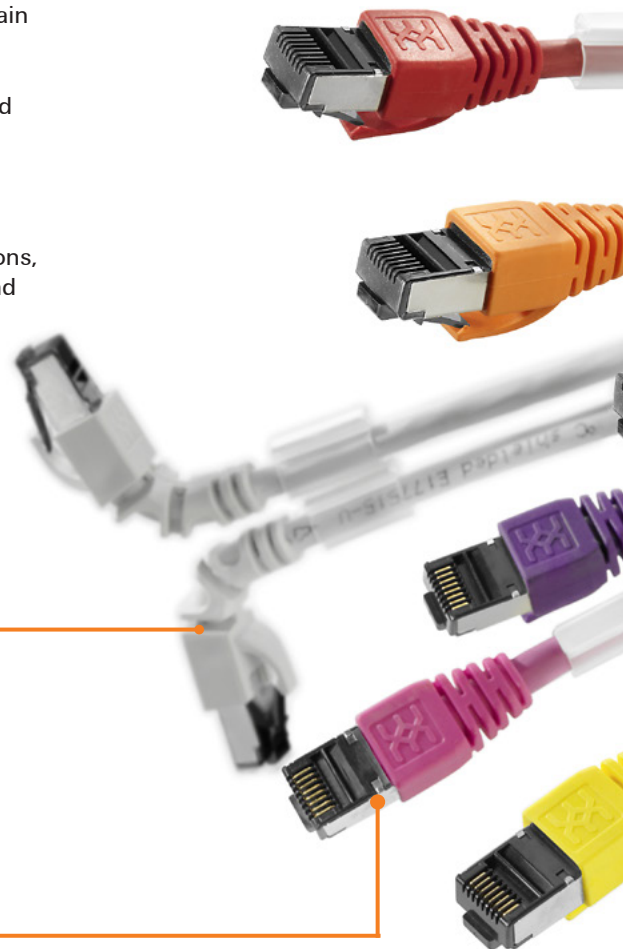
With cULus approval, CabinetLine patch cables are also perfectly suited for international use.

Space-saving

Angled versions ensure optimal cable routing even in confined space.

Robust and tamper-proof

The overmoulded strain relief with locking mechanism reliably protects against accidental disconnection or manipulation of the connection.



Simple and clear identification

Marking sleeves for optimal port labeling and clear assignment.



Angled design in no time at all

You don't have to plan everything in advance: the optional cable bender quickly transforms our straight patch cables into angled ones with the appropriate bending radius, eliminating the risk of cable breakage. This saves storage space and planning time while offering maximum flexibility.



Safe even in case of fire

The robust LSZH jacket does not contain any halogens and is therefore also suitable for the most stringent fire protection requirements.

Future-proof data transmission

Shielded RJ45 connectors in accordance with the current Cat. 6A standard guarantee optimal data transmission properties. They enable high data transfer rates of up to 10 Gbit/s.

Many colors for network assignment

Ten different colors for structured cabling, clear network assignment, and individual customer requirements.

Assembled cables - Patch cable

Assembled cables

Patch cable CabinetLine Cat. 6 straight

LSZH grey



RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	

Technical data

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Type	Qty.	Order No.
IE-C6FP8LD0002M40M40-D	1	1165940002
IE-C6FP8LD0005M40M40-D	1	1165940005
IE-C6FP8LD0010M40M40-D	1	1165940010
IE-C6FP8LD0015M40M40-D	1	1165940015
IE-C6FP8LD0020M40M40-D	1	1165940020
IE-C6FP8LD0030M40M40-D	1	1165940030
IE-C6FP8LD0050M40M40-D	1	1165940050
IE-C6FP8LD0075M40M40-D	1	1165940075
IE-C6FP8LD0100M40M40-D	1	1165940100
IE-C6FP8LD0150M40M40-D	1	1165940150
IE-C6FP8LD0200M40M40-D	1	1165940200
IE-C6FP8LD0250M40M40-D	1	1165940250
Other lengths available on request		

Ordering data

	0.2 m
	0.5 m
	1.0 m
	1.5 m
	2.0 m
	3.0 m
	5.0 m
	7.5 m
	10.0 m
	15.0 m
	20.0 m
	25.0 m
Note	

Accessories

Tools	Sheathing strippers, For UTP and STP data cables Sheathing strippers, For coaxial and round data cables
Marking tags	Insertion label, yellow, 12 mm Insertion label, yellow, 18 mm
Dust protection cap	Protective cap
Cable routing	90° outlet angle
Note	

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000

Assembled cables

Patch cable CabinetLine Cat. 6 straight

LSZH blue



LSZH black



RJ45			RJ45
1	white (orange)	1	RJ45
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

RJ45			RJ45
1	white (orange)	1	RJ45
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

Technical data

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / blue
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / black
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / black
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Ordering data

	0.2 m
	0.5 m
	1.0 m
	1.5 m
	2.0 m
	3.0 m
	5.0 m
	10.0 m
	15.0 m
	20.0 m
	25.0 m
Note	

Type	Qty.	Order No.
IE-C6FP8LB0002M40M40-B	1	1165900002
IE-C6FP8LB0005M40M40-B	1	1165900005
IE-C6FP8LB0010M40M40-B	1	1165900010
IE-C6FP8LB0015M40M40-B	1	1165900015
IE-C6FP8LB0020M40M40-B	1	1165900020
IE-C6FP8LB0030M40M40-B	1	1165900030
IE-C6FP8LB0050M40M40-B	1	1165900050
IE-C6FP8LB0100M40M40-B	1	1165900100
IE-C6FP8LB0150M40M40-B	1	1165900150
IE-C6FP8LB0200M40M40-B	1	1165900200
IE-C6FP8LB0250M40M40-B	1	1165900250

Type	Qty.	Order No.
IE-C6FP8LE0002M40M40-E	1	1251610002
IE-C6FP8LE0005M40M40-E	1	1251610005
IE-C6FP8LE0010M40M40-E	1	1251610010
IE-C6FP8LE0015M40M40-E	1	1251610015
IE-C6FP8LE0020M40M40-E	1	1251610020
IE-C6FP8LE0030M40M40-E	1	1251610030
IE-C6FP8LE0050M40M40-E	1	1251610050
IE-C6FP8LE0100M40M40-E	1	1251610100
IE-C6FP8LE0150M40M40-E	1	1251610150
IE-C6FP8LE0200M40M40-E	1	1251610200
IE-C6FP8LE0250M40M40-E	1	1251610250

Accessories

Tools	
	Sheathing strippers, For UTP and STP data cables
	Sheathing strippers, For coaxial and round data cables
Marking tags	
	Insertion label, yellow, 12 mm
	Insertion label, yellow, 18 mm
Dust protection cap	Protective cap
Cable routing	90° outlet angle
Note	

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000

Assembled cables

Patch cable CabinetLine Cat. 6 straight

LSZH magenta



LSZH violet



RJ45			RJ45
1	white (orange)	1	RJ45
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

RJ45			RJ45
1	white (orange)	1	RJ45
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

Technical data

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / Magenta
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / violet
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
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Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / violet
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Ordering data

Length	Type	Qty.	Order No.
0.2 m	IE-C6FP8LM0002M40M40-M	1	1201270002
0.5 m	IE-C6FP8LM0005M40M40-M	1	1201270005
1.0 m	IE-C6FP8LM0010M40M40-M	1	1201270010
1.5 m	IE-C6FP8LM0015M40M40-M	1	1201270015
2.0 m	IE-C6FP8LM0020M40M40-M	1	1201270020
3.0 m	IE-C6FP8LM0030M40M40-M	1	1201270030
5.0 m	IE-C6FP8LM0050M40M40-M	1	1201270050
10.0 m	IE-C6FP8LM0100M40M40-M	1	1201270100
15.0 m	IE-C6FP8LM0150M40M40-M	1	1201270150
20.0 m	IE-C6FP8LM0200M40M40-M	1	1201270200
25.0 m			
Note			

Type	Qty.	Order No.
IE-C6FP8LV0002M40M40-V	1	2701550002
IE-C6FP8LV0005M40M40-V	1	2701550005
IE-C6FP8LV0010M40M40-V	1	2701550010
IE-C6FP8LV0015M40M40-V	1	2701550015
IE-C6FP8LV0020M40M40-V	1	2701550020
IE-C6FP8LV0030M40M40-V	1	2701550030
IE-C6FP8LV0050M40M40-V	1	2701550050
IE-C6FP8LV0100M40M40-V	1	2701550100
IE-C6FP8LV0150M40M40-V	1	2701550150
IE-C6FP8LV0200M40M40-V	1	2701550200
Note		

Type	Qty.	Order No.
IE-C6FP8LV0002M40M40-V	1	2701550002
IE-C6FP8LV0005M40M40-V	1	2701550005
IE-C6FP8LV0010M40M40-V	1	2701550010
IE-C6FP8LV0015M40M40-V	1	2701550015
IE-C6FP8LV0020M40M40-V	1	2701550020
IE-C6FP8LV0030M40M40-V	1	2701550030
IE-C6FP8LV0050M40M40-V	1	2701550050
IE-C6FP8LV0100M40M40-V	1	2701550100
IE-C6FP8LV0150M40M40-V	1	2701550150
IE-C6FP8LV0200M40M40-V	1	2701550200
Note		

Accessories

Tools	
	Sheathing strippers, For UTP and STP data cables
	Sheathing strippers, For coaxial and round data cables
Marking tags	
	Insertion label, yellow, 12 mm
	Insertion label, yellow, 18 mm
Dust protection cap	Protective cap
Cable routing	90° outlet angle
Note	

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000
Note		

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000
Note		

Assembled cables

Patch cable CabinetLine Cat. 6 angled

LSZH grey 270°



LSZH grey 90°



RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	

RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	

Technical data

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, angled 270°, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, angled 90°, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
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Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, angled 90°, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Ordering data

	0.5 m	IE-C6FP8LD0005M40W40-D	1	1233160005
	1.0 m	IE-C6FP8LD0010M40W40-D	1	1233160010
	1.2 m	IE-C6FP8LD0012M40W40-D	1	1233160012
	1.5 m	IE-C6FP8LD0015M40W40-D	1	1233160015
	2.0 m	IE-C6FP8LD0020M40W40-D	1	1233160020
	3.0 m	IE-C6FP8LD0030M40W40-D	1	1233160030
	5.0 m	IE-C6FP8LD0050M40W40-D	1	1233160050
	10.0 m	IE-C6FP8LD0100M40W40-D	1	1233160100
Note				

	0.5 m	IE-C6FP8LD0005M40V40-D	1	1248280005
	1.0 m	IE-C6FP8LD0010M40V40-D	1	1248280010
	1.2 m	IE-C6FP8LD0012M40V40-D	1	1248280012
	1.5 m	IE-C6FP8LD0015M40V40-D	1	1248280015
	2.0 m	IE-C6FP8LD0020M40V40-D	1	1248280020
	3.0 m	IE-C6FP8LD0030M40V40-D	1	1248280030
	5.0 m	IE-C6FP8LD0050M40V40-D	1	1248280050
	10.0 m	IE-C6FP8LD0100M40V40-D	1	1248280100
Note				

	0.5 m	IE-C6FP8LD0005M40V40-D	1	1248280005
	1.0 m	IE-C6FP8LD0010M40V40-D	1	1248280010
	1.2 m	IE-C6FP8LD0012M40V40-D	1	1248280012
	1.5 m	IE-C6FP8LD0015M40V40-D	1	1248280015
	2.0 m	IE-C6FP8LD0020M40V40-D	1	1248280020
	3.0 m	IE-C6FP8LD0030M40V40-D	1	1248280030
	5.0 m	IE-C6FP8LD0050M40V40-D	1	1248280050
	10.0 m	IE-C6FP8LD0100M40V40-D	1	1248280100
Note				

Accessories

Tools	
	Sheathing strippers, For UTP and STP data cables
	Sheathing strippers, For coaxial and round data cables
Marking tags	
	Insertion label, yellow, 12 mm
	Insertion label, yellow, 18 mm
Dust protection cap	Protective cap
Note	

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TMH 12 MC NE GE	320	1718411687
TMH 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
Note		

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TMH 12 MC NE GE	320	1718411687
TMH 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
Note		

Assembled cables

Patch cable CabinetLine Cat. 6 angled

LSZH 90° left



LSZH 90° right



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RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	

RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	

Technical data

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, angled 90° left, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, angled 90° right, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Product type	Patch cable
Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Shielding	S/FTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, angled 90° right, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Sheath diameter, max.	5.9 mm
Material sheath / Colour	LSZH / grey
Insulation diameter	1.04 mm
Min. bending radius, repetitive / Min. bending radius, once only	/ 4 x cable diameter
Ambient temperature (operational)	-20 °C...60 °C
Installation temperature	0 °C...50 °C
Storage temperature	-20 °C...60 °C
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
Approvals	CCLINK; CE; CULUS
Note	

Ordering data

	0.5 m
	1.0 m
	1.2 m
	1.5 m
	2.0 m
	3.0 m
	5.0 m
	10.0 m
Note	

Type	Qty.	Order No.
IE-C6FP8LD0005M40L40-D	1	2703320005
IE-C6FP8LD0010M40L40-D	1	2703320010
IE-C6FP8LD0012M40L40-D	1	2703320012
IE-C6FP8LD0015M40L40-D	1	2703320015
IE-C6FP8LD0020M40L40-D	1	2703320020
IE-C6FP8LD0030M40L40-D	1	2703320030
IE-C6FP8LD0050M40L40-D	1	2703320050
IE-C6FP8LD0100M40L40-D	1	2703320100

Type	Qty.	Order No.
IE-C6FP8LD0005M40R40-D	1	2703330005
IE-C6FP8LD0010M40R40-D	1	2703330010
IE-C6FP8LD0012M40R40-D	1	2703330012
IE-C6FP8LD0015M40R40-D	1	2703330015
IE-C6FP8LD0020M40R40-D	1	2703330020
IE-C6FP8LD0030M40R40-D	1	2703330030
IE-C6FP8LD0050M40R40-D	1	2703330050
IE-C6FP8LD0100M40R40-D	1	2703330100

Accessories

Tools	
	Sheathing strippers, For UTP and STP data cables
	Sheathing strippers, For coaxial and round data cables
Marking tags	
	Insertion label, yellow, 12 mm
	Insertion label, yellow, 18 mm
Dust protection cap	Protective cap
Note	

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000

Note	
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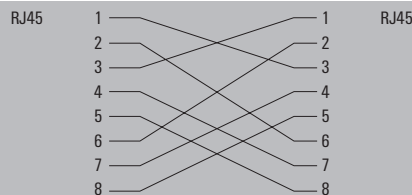
Note	
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Note	
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Assembled cables

Patch cable CabinetLine Cat. 6 crossover

LSZH grey



Technical data

Product type
Category
Shielding
Plug left / Plug right
Connector standard
PoE / PoE+
Cross-section
Sheath diameter, max.
Material sheath / Colour
Insulation diameter
Min. bending radius, repetitive / Min. bending radius, once only
Ambient temperature (operational)
Installation temperature
Storage temperature
Halogen
Resistance to spread of flame

Patch cable, crossover
<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
S/FTP
RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
IEC 60603-7-51
conforming to IEEE 802.3at
4*2*AWG 27/7 - 4*2*0.1 mm ²
5.9 mm
LSZH / grey, yellow
1.04 mm
/ 4 x cable diameter
-20 °C...60 °C
0 °C...50 °C
-20 °C...60 °C
halogen-free, acc. to IEC 60754-2
in acc. with IEC 60332-2-2, in acc. with IEC 60332-1-2, in acc. with IEC 60332-3-24, in acc. with UL 2556 (FT1)
CCLINK; CE; CULUS

Approvals

Note

Ordering data

0.3 m
0.4 m
0.5 m
1.0 m
2.0 m
3.0 m
5.0 m
10.0 m
15.0 m
20.0 m

Note

Type	Qty.	Order No.
IE-C6FP8LD0003X40X40-Y	1	1312160003
IE-C6FP8LD0004X40X40-Y	1	1312160004
IE-C6FP8LD0005X40X40-Y	1	1312160005
IE-C6FP8LD0010X40X40-Y	1	1312160010
IE-C6FP8LD0020X40X40-Y	1	1312160020
IE-C6FP8LD0030X40X40-Y	1	1312160030
IE-C6FP8LD0050X40X40-Y	1	1312160050
IE-C6FP8LD0100X40X40-Y	1	1312160100
IE-C6FP8LD0150X40X40-Y	1	1312160150
IE-C6FP8LD0200X40X40-Y	1	1312160200

Accessories

Tools
Sheathing strippers, For UTP and STP data cables
Sheathing strippers, For coaxial and round data cables
Marking tags
Insertion label, yellow, 12 mm
Insertion label, yellow, 18 mm
Dust protection cap
Protective cap
Cable routing
90° outlet angle

Note

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TMH 12 MC NE GE	320	1718411687
TMH 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000

Assembled cables

Patch cable CabinetLine Cat. 5 straight

PVC green



PUR green



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RJ45			RJ45
1	white (orange)	1	
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

RJ45			RJ45
1	white (orange)	1	
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

Technical data

Product type	System cable
Category	Cat.5 (ISO/IEC 11801)
Shielding	SF/UTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Sheath diameter, max.	5.8 mm
Material sheath	PVC
Sheathing colour	green (RAL 6018)
Insulation diameter	0.98 mm
Min. bending radius, repetitive	10 x cable diameter
Min. bending radius, once only	5 x cable diameter
Ambient temperature (operational)	-40 °C...75 °C
Abrasion resistance	good
Halogen	Yes
Resistance to spread of flame	in acc. with IEC 60332-1
Resistance to oils	
Approvals	CE, UKCA
Note	

Product type	System cable
Category	Cat.5 (ISO/IEC 11801)
Shielding	SF/UTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Sheath diameter, max.	6 mm
Material sheath	PUR
Sheathing colour	green
Insulation diameter	0.98 mm
Min. bending radius, repetitive	10 x cable diameter
Min. bending radius, once only	5 x cable diameter
Ambient temperature (operational)	-40 °C...85 °C
Abrasion resistance	very good
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-1
Resistance to oils	EN 50305
Approvals	CE, CULUS, UKCA
Note	

Product type	System cable
Category	Cat.5 (ISO/IEC 11801)
Shielding	SF/UTP
Plug left / Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
Connector standard	IEC 60603-7-51
PoE / PoE+	conforming to IEEE 802.3at
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Sheath diameter, max.	6 mm
Material sheath	PUR
Sheathing colour	green
Insulation diameter	0.98 mm
Min. bending radius, repetitive	10 x cable diameter
Min. bending radius, once only	5 x cable diameter
Ambient temperature (operational)	-40 °C...85 °C
Abrasion resistance	very good
Halogen	halogen-free, acc. to IEC 60754-2
Resistance to spread of flame	in acc. with IEC 60332-1
Resistance to oils	EN 50305
Approvals	CE, CULUS, UKCA
Note	

Ordering data

Length	Type	Qty.	Order No.
0.5 m	IE-C5ES8VG0005M40M40-G	1	1166020005
1.0 m	IE-C5ES8VG0010M40M40-G	1	1166020010
1.5 m	IE-C5ES8VG0015M40M40-G	1	1166020015
2.0 m	IE-C5ES8VG0020M40M40-G	1	1166020020
3.0 m	IE-C5ES8VG0030M40M40-G	1	1166020030
5.0 m	IE-C5ES8VG0050M40M40-G	1	1166020050
10.0 m	IE-C5ES8VG0100M40M40-G	1	1166020100
15.0 m	IE-C5ES8VG0150M40M40-G	1	1166020150
20.0 m	IE-C5ES8VG0200M40M40-G	1	1166020200
Note			

Type	Qty.	Order No.
IE-C5ES8VG0005M40M40-G	1	1166020005
IE-C5ES8VG0010M40M40-G	1	1166020010
IE-C5ES8VG0015M40M40-G	1	1166020015
IE-C5ES8VG0020M40M40-G	1	1166020020
IE-C5ES8VG0030M40M40-G	1	1166020030
IE-C5ES8VG0050M40M40-G	1	1166020050
IE-C5ES8VG0100M40M40-G	1	1166020100
IE-C5ES8VG0150M40M40-G	1	1166020150
IE-C5ES8VG0200M40M40-G	1	1166020200
Note		

Type	Qty.	Order No.
IE-C5ES8UG0005M40M40-G	1	1166000005
IE-C5ES8UG0010M40M40-G	1	1166000010
IE-C5ES8UG0015M40M40-G	1	1166000015
IE-C5ES8UG0020M40M40-G	1	1166000020
IE-C5ES8UG0030M40M40-G	1	1166000030
IE-C5ES8UG0050M40M40-G	1	1166000050
IE-C5ES8UG0100M40M40-G	1	1166000100
IE-C5ES8UG0150M40M40-G	1	1166000150
IE-C5ES8UG0200M40M40-G	1	1166000200
Note		

Accessories

Tools	Type	Qty.	Order No.
Sheathing strippers, For UTP and STP data cables	AM 12	1	9030060000
	IE-CST	1	9204350000
Sheathing strippers, For coaxial and round data cables	TM-I 12 MC NE GE	320	1718411687
	TM-I 18 MC NE GE	320	1718431687
Marking tags	IE-PP-RJ45	10	2552580000
	IE-CABLE-BENDER-90	50	2704480000
Dust protection cap	IE-CABLE-BENDER-90	50	2704480000
Cable routing			
	90° outlet angle		
Note			

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000
Note		

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
TM-I 12 MC NE GE	320	1718411687
TM-I 18 MC NE GE	320	1718431687
IE-PP-RJ45	10	2552580000
IE-CABLE-BENDER-90	50	2704480000
Note		

Assembled cables

Patch cable CabinetLine Cat. 6 straight

PUR green



RJ45			RJ45
1	white (orange)	1	RJ45
2	orange	2	
3	white (green)	3	
4	blue	4	
5	white (blue)	5	
6	green	6	
7	white (brown)	7	
8	brown	8	

Technical data

Product type
Category
Shielding
Plug left / Plug right

Connector standard
PoE / PoE+
Cross-section / Insulation diameter, min. / max.
Sheath diameter, max.

Material sheath / Sheathing colour
Min. bending radius, repetitive / Min. bending radius, once only
Ambient temperature (operational)
Abrasion resistance
Halogen
Resistance to spread of flame
Resistance to oils
Approvals

Note

System cable
<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
S/FTP
RJ45, IP20, male contact, straight, plug, Plastic, shielded / RJ45, IP20, male contact, straight, plug, Plastic, shielded
IEC 60603-7-51
conforming to IEEE 802.3at
4*2*AWG 27/7 - 4*2*0.1 mm² / 1.02 mm
6.4 mm
PUR / green
10 x cable diameter / 5 x cable diameter
-40 °C..85 °C
very good
halogen-free, acc. to IEC 60754-2
in acc. with IEC 60332-1 / UL 1581 FT2
in acc. with IEC 60811-2-1
CE; CULUS; UKCA

Ordering data

0.3 m
0.5 m
1.0 m
1.5 m
2.0 m
3.0 m
5.0 m
10.0 m
15.0 m
20.0 m

Note

Type	Qty.	Order No.
IE-C6FS8UG0003A40A40-G	1	8941350003
IE-C6FS8UG0005A40A40-G	1	8941350005
IE-C6FS8UG0010A40A40-G	1	8941350010
IE-C6FS8UG0015A40A40-G	1	8941350015
IE-C6FS8UG0020A40A40-G	1	8941350020
IE-C6FS8UG0030A40A40-G	1	8941350030
IE-C6FS8UG0050A40A40-G	1	8941350050
IE-C6FS8UG0100A40A40-G	1	8941350100
IE-C6FS8UG0150A40A40-G	1	8941350150
IE-C6FS8UG0200A40A40-G	1	8941350200

Other lengths available on request

Accessories

Tools
Sheathing strippers, For UTP and STP data cables
Sheathing strippers, For coaxial and round data cables

Marking tags
Wire and cable markers. ø 4.7 - 7.4 mm
Wire and cable markers. ø 5.8 - 7.8 mm
Insertion label, yellow, 12 mm
Insertion label, yellow, 18 mm
Transparent sleeves, 12-mm length
Transparent sleeves, 18-mm length

Dust protection cap
Protective cap

Cable routing
90° outlet angle

Note

Type	Qty.	Order No.
AM 12	1	9030060000
IE-CST	1	9204350000
VT SF 5/21 MC NE WS V0	160	1689470001
VT SF 6/21 MC NE WS V0	160	1730560001
TMH 12 MC NE GE	320	1718411687
TMH 18 MC NE GE	320	1718431687
TM 4/12 HF/HB	500	1719840000
TM 4/18 HF/HB	500	1719850000

IE-PP-RJ45 10 2552580000

IE-CABLE-BENDER-90 50 2704480000

Cable Bender

Cable Bender

Cable bender to guide patch cables safely and without cable breakage or data loss by 90° angles

Cable bender



Technical data

Cable bending radius
 Colour
 Temperature range
 Sheath diameter, min.
 Sheath diameter, max

90 °
 black
 -25 °C...85 °C
 5.5 mm
 6.5 mm

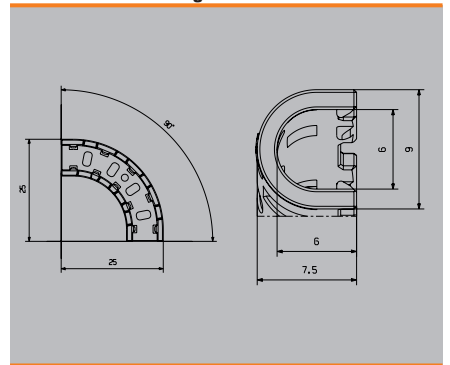
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Ordering data

Type	Qty.	Order No.
IE-CABLE-BENDER-90	50	2704480000

Note

Dimensioned drawings

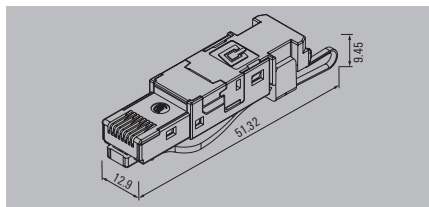
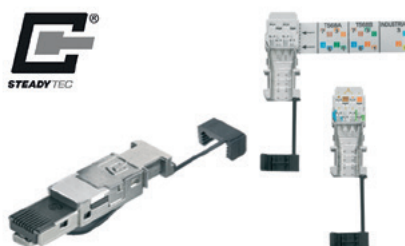


RJ45 plug, tool free

- Cat. 6_A (8 wires)/cat. 5 (4 wires) for PROFINET
- Multi-port support
- IP20



8-wire



Technical data

Category	
Protection degree	
Housing main material	
Connection diameter, flexible, min. / max.	
Connection cross-section, flexible, min. / max.	
Connection diameter, solid, min. / max.	
Connection cross-section, solid, min. / max.	
Wire connection cross-section, finely stranded	
Insulation diameter, min. / max.	
Sheath diameter, min. / max.	
Contact surface	
Shielding	
Plugging cycles	
Ambient temperature (operational)	
Contact resistance	
Insulation strength	
Dielectric strength, contact / contact	
Dielectric strength, contact / shield	
Connector standard	
Current-carrying capacity at 50 °C	
Transmission rate	
PoE / PoE+	
Approvals	
Note	

Cat.6 _A / Class E _A (ISO/IEC 11801 2010)
IP20
Zinc diecast
0.48 mm / 0.76 mm
AWG 26/7 / AWG 22/7
0.41 mm / 0.64 mm
AWG 24/1 / AWG 22/1
Approval of the cable by Weidmüller necessary
0.85 mm / 1.6 mm
5.5 mm / 8.5 mm
Gold over nickel
360° all-round enclosure
750
-40 °C...70 °C
≤ 20 mΩ
≥ 500 MΩ
≥ 1000 V AC/DC
≥ 1500 V AC/DC
IEC 60603-7-51
1 A
10 Gbit/s
conforming to IEEE 802.3at
CCLINK; CULUS
Approvals available on request. Weidmüller connection cat. 7 AWG 27/7 LSZH cable possible

Ordering data

Plug	
	with tear-off flags: EIA/TIA T568-A/B / PROFINET
	with printing: PROFINET
	with printing: EIA/TIA T568-A
	with printing: EIA / TIA T568-B
Note	

Type	Qty.	Order No.
IE-PS-RJ45-FH-BK	10	1963600000
IE-PS-RJ45-FH-BK-A	10	1132040000
IE-PS-RJ45-FH-BK-B	10	1132050000

Accessories

Strain relief	
	green
	grey
	blue
	orange
	yellow
	white
Tools	
	Optional pressing tool

Type	Qty.	Order No.
IE-CR-IP20-RJ45-FH-GN	10	1963100000
IE-CR-IP20-RJ45-FH-GY	10	1963060000
IE-CR-IP20-RJ45-FH-BU	10	1963080000
IE-CR-IP20-RJ45-FH-OG	10	1963070000
IE-CR-IP20-RJ45-FH-YE	10	1963090000
IE-CR-IP20-RJ45-FH-WH	10	1963050000
PWZ RJ45	1	1118040000

Note	
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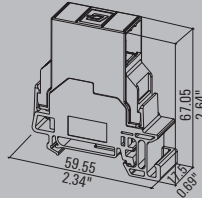
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IP20 mounting rail outlets

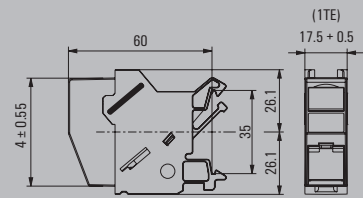
Module RJ45, 8-wire

- Cat. 6_A
- IP20
- TS 35

Outlet direction straight



Outlet direction diagonal



Technical data

Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Protection degree	IP20
Housing main material	PA UL 94 V0, PA 66 UL V0 E63957
Contact surface	Au ≥ 0.8 µm
Colour	Light Grey
Type of mounting	TS 35
Plugging cycles	750 (RJ45)
Configuration	Switchable volt. connection from module/coupling to mounting rail
Ambient temperature (operational)	-40 °C...70 °C
Temperature range, assembly, min. / max.	-25 °C...70 °C
Connector standard	IEC 60603-7-51
Connection diameter, flexible, min. / max.	0.48 mm / 0.76 mm
Connection cross-section, flexible, min. / max.	AWG 26 / AWG 22
Connection diameter, solid, min. / max.	0.4 mm / 0.64 mm
Connection cross-section, solid, min. / max.	AWG 24 / AWG 22
Electrical properties*	
PoE / PoE+	conforming to IEEE 802.3bt
Contact resistance	≤ 20 mΩ
Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≥ 1000 V AC/DC
Dielectric strength, contact / shield	≥ 1500 V AC/DC
Insulation strength	500 MΩ
Approvals	CULUS
Note	Weidmüller connection cat. 7 AWG 27/7 LSZH cable possible

Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Protection degree	IP20
Housing main material	PA UL 94 V0, PA 66 UL V0 E63957
Contact surface	Au ≥ 0.8 µm
Colour	Light Grey
Type of mounting	TS 35
Plugging cycles	750 (RJ45)
Configuration	Switchable volt. connection from module/coupling to mounting rail
Ambient temperature (operational)	-40 °C...70 °C
Temperature range, assembly, min. / max.	-25 °C...70 °C
Connector standard	IEC 60603-7-51
Connection diameter, flexible, min. / max.	0.48 mm / 0.76 mm
Connection cross-section, flexible, min. / max.	AWG 26 / AWG 22
Connection diameter, solid, min. / max.	0.4 mm / 0.64 mm
Connection cross-section, solid, min. / max.	AWG 24 / AWG 22
Electrical properties*	
PoE / PoE+	conforming to IEEE 802.3at
Contact resistance	≤ 20 mΩ
Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≥ 1000 V AC/DC
Dielectric strength, contact / shield	≥ 1500 V AC/DC
Insulation strength	500 MΩ
Approvals	CULUS; DETNORVER
Note	

Category	Cat.6A / Class EA (ISO/IEC 11801 2010)
Protection degree	IP20
Housing main material	PA 66, UL 94: V-0
Contact surface	
Colour	Light Grey
Type of mounting	TS 35
Plugging cycles	750 (RJ45)
Configuration	1 TE pitch dimension acc. to DIN 43880. insta-compatible Installation flange with mounting frame
Ambient temperature (operational)	-25 °C...70 °C
Temperature range, assembly, min. / max.	...
Connector standard	IEC 60603-7-5
Connection diameter, flexible, min. / max.	0.48 mm / 0.64 mm
Connection cross-section, flexible, min. / max.	AWG 26 / AWG 22
Connection diameter, solid, min. / max.	0.4 mm / 0.64 mm
Connection cross-section, solid, min. / max.	AWG 24 / AWG 22
Electrical properties*	
PoE / PoE+	conforming to IEEE 802.3at
Contact resistance	≤ 20 mΩ
Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≥ 1000 V AC/DC
Dielectric strength, contact / shield	≥ 1500 V AC/DC
Insulation strength	500 MΩ
Approvals	CULUS; DETNORVER
Note	

Ordering data

	A-coded
	B-coded
	A/B-coded
Note	

Type	Qty.	Order No.
IE-TO-RJ45-FJ-A	10	8946930000
IE-TO-RJ45-FJ-B	10	8946940000

Type	Qty.	Order No.
IE-XM-RJ45/DC	1	8808360000

Accessories

Marking tags	MultiCard, white Marking tag
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Type	Qty.	Order No.
ESG 9/11 K MC NE WS	200	1857440000

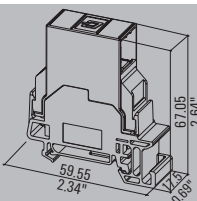
Type	Qty.	Order No.
IE-DM	50	8813500000

Note

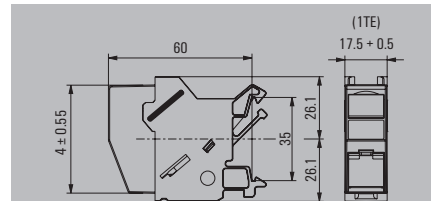
Coupling RJ45, 8-wire

- Cat. 6_A
- IP20
- TS35

Outlet direction straight



Outlet direction diagonal



Technical data

Category
Protection degree
Housing main material
Contact material / Contact surface
Colour
Type of mounting
Plugging cycles
Configuration
Ambient temperature (operational)
Temperature range, assembly, min. / max.
Humidity
Shock resistance acc. to IEC 60512-6-3
Vibration resistance acc. to IEC 60512-6-4
Housing material, insert
Connector standard
Electrical properties*
PoE / PoE+
Contact resistance
Current-carrying capacity at 50 °C
Dielectric strength, contact / contact
Dielectric strength, contact / shield
Insulation strength
Approvals
Note

Cat.6A / Class EA (ISO/IEC 11801 2010)
IP20
PA UL 94 V0, PA 66 UL V0 E63957
Spring steel, Ni 1.2 µm / Au ≥ 0.8 µm
Light Grey
TS 35
750 (RJ45)
Switchable volt. connection from module/coupling to mounting rail
-40 °C...70 °C
-25 °C...70 °C
0...93 % rel. humidity
250 ms ²
50 ms ² sinusoidal (9...500 Hz)
Zinc diecast
IEC 60603-7-51
conforming to IEEE 802.3af
≤ 20 mΩ
1 A
≥ 1000 V AC/DC
≥ 1500 V AC/DC
500 MΩ
CULUS

Cat.6A / Class EA (ISO/IEC 11801 2010)
IP20
PA 66, UL 94: V-0
Light Grey
TS 35
750
1 TE pitch dimension acc. to DIN 43880. insta-compatible
Installation flange with mounting frame
-25 °C...70 °C
IEC 60603-7-5
conforming to IEEE 802.3at
≤ 20 mΩ
1 A
≥ 1000 V AC/DC
≥ 1500 V AC/DC
500 MΩ
CULUS; DETNORVER

Ordering data

Note

Type	Qty.	Order No.
IE-TO-RJ45-C	1	8946920000

Type	Qty.	Order No.
IE-XM-RJ45/RJ45	1	8879050000

Accessories

Marking tags	MultiCard, white Marking tag
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Type	Qty.	Order No.
ESG 9/11 K MC NE WS	200	1857440000

Type	Qty.	Order No.
IE-DM	50	8813500000

Note

Note

Note

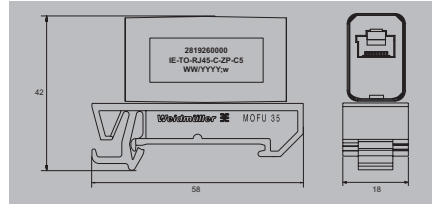
IP20 mounting rail outlets

Coupling RJ45, Counter installation (Smart Metering)

- Cat. 5
- IP20

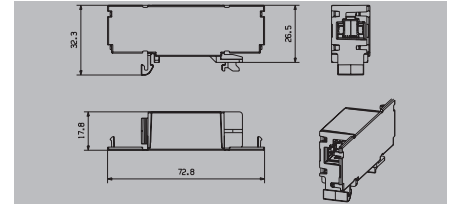
TS35

unshielded



TS35 + mounting in the meter cross

shielded



Technical data

Category	
Protection degree	
Housing main material	
Contact material / Contact surface	
Colour	
Type of mounting	
Plugging cycles	
Configuration	
Ambient temperature (operational)	
Temperature range, assembly, min. / max.	
Humidity	
Shock resistance acc. to IEC 60512-6-3	
Vibration resistance acc. to IEC 60512-6-4	
Housing material, insert	
Connector standard	
Electrical properties*	
PoE / PoE+	
Contact resistance	
Current-carrying capacity at 50 °C	
Dielectric strength, contact / contact	
Dielectric strength, contact / shield	
Insulation strength	
Approvals	
Note	

Cat. 5
IP20
Plastic, PA 66 UL V0 E63957
/ Gold over nickel
beige, black
TS 35
750 (RJ45)
-40 °C...80 °C
Plastic
IEC 60603-7-51
1 A
≥ 1000 V AC/DC
≥ 1500 V AC/DC

Cat.6A / Class EA (ISO/IEC 11801 2010)
IP20
PA 66 UL V0 E63957
Spring steel, Ni 1.2 µm / Au ≥ 0.8 µm
Light Grey
TS 35
750 (RJ45)
-40 °C...70 °C
0...93 % rel. humidity
500 ms ²
50 ms ² sinusoidal (10...500 Hz)
Zinc diecast
IEC 60603-7-51
conforming to IEEE 802.3af
≤ 20 mΩ
1 A
≥ 1000 V AC/DC
≥ 1500 V AC/DC
500 MΩ

Ordering data

Note

Type	Qty.	Order No.
IE-T0-RJ45-C-ZP-C5	10	2819260000

Type	Qty.	Order No.
IE-T0-RJ45-C-LP	10	2812440000

Accessories

Type	Qty.	Order No.

Type	Qty.	Order No.

Type	Qty.	Order No.

Note

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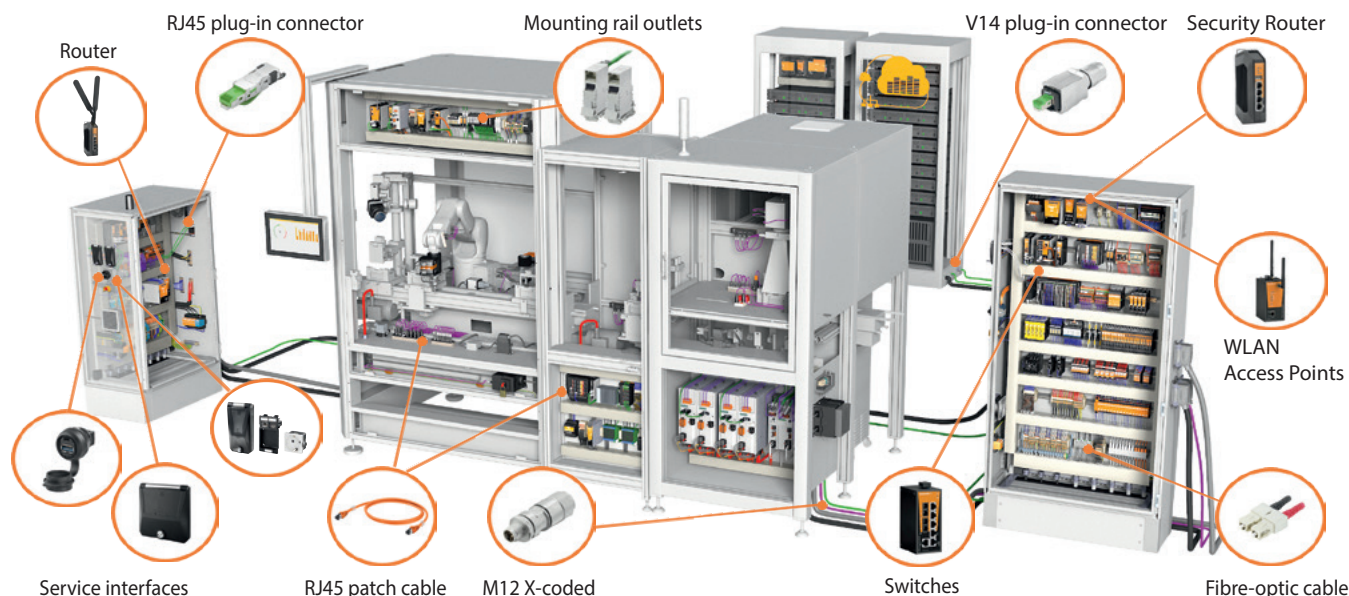
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Intended use for Industrial Ethernet

A complete range of products for industrial communications infrastructure

The trend to network industrial plant components using Ethernet protocols was already apparent several years ago. Ethernet communication is now well established in all market segments; including automotive, general machine construction, process industry, transportation, energy and even Maritime. The requirements of these differ in terms of protocols, environmental conditions, certifications and standards. As well as being a leading provider of industrial connection and network products, Weidmüller embraces solutions for these differing requirements with a comprehensive and highquality product range of active and passive components for Ethernet communications.

The basic requirements of these industrial markets are high reliability, availability and safeguarding against failure. These are met by extremely high MTBF times of our network components. Using Weidmüller's high-quality STEADYTEC® connector system means that maximum reliability and simple operation is ensured. Indeed, Weidmüller's network components create a complete communications infrastructure for industrial applications in machine construction, process and plant engineering and energy.





Automotive

The automotive manufacturers of AIDA (Automation Initiative of the German Automotive Industry) are the drivers behind the use of the Industrial Ethernet in manufacturing. Extremely harsh environmental conditions place high demands on the components used: Cabling must be torsion-resistant and there are increased EMC requirements for connectors and active devices. For these areas of application, Weidmüller offers a complete product range consisting of copper and fibre optic connectors that are designed to meet the special needs of robot cabling.



Machinery & Plant Engineering

Machinery has to stand out from the competition with special services and a stronger customer focus. This results in a dynamic change in machinery and plant construction, demanding greater economic efficiency, quality, flexibility and performance from machines. The networking of machine segments and plant parts and their connection to higher-level office networks is playing an increasingly important role in this. Our products are perfectly adapted to these requirements and offer not only robustness and reliability, but are also easy to configure.



Ships

The shipbuilding industry is also experiencing disruptive market development in the face of rapidly advancing technological developments. Autonomous shipping, sustainability, networking, digitalisation concepts and advanced data analytics are the key topics in this respect. To meet the requirements of this industry, the various products in our portfolio include variants with a marine approval according to DNV.



Transmission & Distribution

The energy market is booming – especially in the field of renewable energies. The products used here must often be able to withstand harsh environmental conditions. To ensure that power grids function reliably and stably, intelligent solutions are being integrated more and more in order to minimise downtimes and to reduce maintenance work. This requires uninterrupted communication. We support the energy sector with reliable components that are approved according to IEC 61850-3 and IEEE 1613 standards.



Process industry

In large-scale process plants, fibre optic media are often used for communication over long distances. However, for reliable data transmission in the field, the components used must be protected from harmful environmental influences. These include high temperature fluctuations, vibrations, dust exposure and electromagnetic influences. Our active and passive Ethernet components have ATEX approval and can reliably withstand these influences.

Weidmüller – Your partner in Smart Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Smart Industrial Connectivity.

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