

# Profinet Cable

**Type Code**

E 1 W R 1 W B D 0 4 001 M xxx

**Ethernet connector**

**Connection Type (compulsory)**  
 1: M12, male  
 2: M12, female  
 6: RJ45  
 8: M8, male  
 9: M8, female

**Shape (optional)**  
 Null: Straight  
 W: Angled (M8, M12)  
 L: Left outlet cable (RJ45)  
 R: Right outlet cable (RJ45)

**Flange (optional)**  
 Null: No flange  
 R: Front plate flange  
 B: Back plate flange

**Connection Type (compulsory)**  
 0: Homerun cable  
 1: M12, male  
 2: M12, female  
 6: RJ45  
 8: M8, male  
 9: M8, female

**Shape (optional)**  
 Null: Straight  
 W: Angled (M8, M12)  
 L: Left outlet cable (RJ45)  
 R: Right outlet cable (RJ45)

**Flange (optional)**  
 Null: No flange  
 R: Front plate flange  
 B: Back plate flange

**Length**  
 020: 2m  
 040: 4m  
 050: 5m

**Length Unit**  
 M: m

**Cable No.**  
 001:84-0001  
 003:84-0003  
 005:84-0005  
 009:84-0009  
 604:88-0004  
 605:88-0005  
 607:88-0007

\* : For other cable information, please inquire

**No. of pin**  
 4: 4-pin  
 8: 8-pin








**Connection Code**  
 D: D-coding  
 X: X-coding  
 A: A-coding








A: Pre-wired RJ45, Cat 5e  
 B: Pre-wired RJ45, Cat 6  
 C: Pre-wired RJ45, Cat 7  
 D: M8,D-code

# Profinet Cable

EtherNet/IP		PROFINET		EtherCAT		serCOS		CC-Link IE			
Automation application of industrial control technology		Production and process automatization of automation industry		Automation techniques		Motion control		Automation technology			
Star topology structure in active state		Star-, line-, tree-, loop-structure as well as mixed structure		Line-, tree-, star-structure as well as mixed structure		Line-, loop-, layer/level-structure		Line-, tree- and star topology-structure			
Max. 100 Mbps		100 Mbps to 1 Gbps		100 Mbps		Fast Ethernet 100 Mbps		Gigabit Ethernet			
4-pin or 8-pin		4-pin		4-pin		4-pin		8-pin			
Signal Indication	Plug Connector		Signal Indication	Plug Connector		Signal Indication	Plug Connector		Signal Indication	Plug Connector	
	RJ45	M12		RJ45	M12		RJ45	M12		RJ45	M12
TD+	1	1	TD+	1	1	TD+	1	1	TD+	2	3
TD-	2	3	TD-	2	3	TD-	2	3	TD-	1	2
RD+	3	2	RD+	3	2	RD+	3	2	RD+	3	5
RD-	6	4	RD-	6	4	RD-	6	4	RD-	6	8
Color of cable core		Signal		Color of cable core		Signal		Color of cable core		Signal	
WH/OG	OG	TD+	YL	OG	TD+	YL	OG	TD+	WH/OG	OG	TD+
OG	WH/BL	TD-	OG	WH	TD-	OG	WH	TD-	OG	WH/BL	TD-
WH/BL	BL	RD+	WH	BL	RD+	WH	BL	RD+	WH/BL	BL	RD+
BL	WH/GN	RD-	BL	WH	RD-	BL	WH	RD-	WH/BL	BL	RD-
WH/GN	GN	RD+	WH	GN	RD+	WH	GN	RD+	WH/GN	GN	RD+
GN	WH/BN	RD-	GN	WH/BN	RD-	GN	WH/BN	RD-	GN	WH/BN	RD-
WH/BN	BN	RD-	WH/BN	BN	RD-	WH/BN	BN	RD-	WH/BN	BN	RD-

## Profinet Cable

	Type	Condition	Rated Voltage	Ambient Temperature	Max. diameter	Conductor
	84-0001 (UL)	Fixed installation 2x2x22AWG 1typeA	30V	-40...+75°C	6.5±0.2 mm	Solid bare copper wire (0.65mm)
	84-0003	For application with high load and moving 2x2x22AWG 19typeC	30V	-40...+80°C	6.5±0.2 mm	Tin Stranded wire (19*0.16mm)
	84-0005 (UL)	Flexible installation 2x2x22AWG 19typeB	30V	-40...+80°C	6.5±0.2 mm	Tin Stranded wire (19*0.16mm)
	84-0009 (UL)	Fixed installation 2x2x26AWG 19	30V	-40...+80°C	4.9±0.2 mm	Bare copper wire (19*0.1mm)
	88-0004 (UL)	Fixed installation 4x2x26 AWG 1	30V	-20...75°C	6.2±0.3 mm	Bare copper wire (7*0.155mm)
	88-0005 (UL)	Flexible installation 4x2x24 AWG 7	30V	-40...+80°C	6.6±0.3 mm	Bare copper wire (7*0.6mm)
	88-0007 (UL)	Fixed installation 4x2x26 AWG 1	30V	-20...75°C	6.2±0.3 mm	Bare copper wire (7*0.155mm)

	Type	Shielding	Outer Jacket	Communication Cable Color	Bending Diameter	Bending Life
	84-0001 (UL)	Tined copper braid	PVC, Green	Red+Yellow+ White+Blue	15* Cable diameter	—
	84-0003	Tined copper braid	PUR, Green	Red+Yellow+ White+Blue	10* Cable diameter	5 million times
	84-0005 (UL)	Tined copper braid	PVC, Green	Red+Yellow+ White+Blue	10* Cable diameter	—
	84-0009 (UL)	Tined copper braid	PUR, Green	Orange+Yellow+ White+Blue	7.5* Cable diameter	5 million times
	88-0004 (UL)	Tined copper braid	PVC, Grey	Orange+White/Orange+ Blue+White/Blue+ Green+White/Green+ Brown+White/Brown	8* Cable diameter	—
	88-0005 (UL)	Tined copper braid	PUR, Blue	Orange+White/Orange+ Blue+White/Blue+ Green+White/Green+ Brown+White/Brown	5* Cable diameter	—
	88-0007 (UL)	Tined copper braid	PVC, Green	Orange+White/Orange+ Blue+White/Blue+ Green+White/Green+ Brown+White/Brown	8* Cable diameter	—

## Profinet - M12/M12 (Pin) Pre-wired Cable

Double-ended M12 D-code Pre-wired Cable  
Cat 5e, 100Mbit/S, 4-pin, IP67

Support:  EtherCAT  EtherNet/IP  POWERLINK  sercos


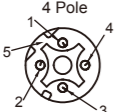
Apply to: Connection of devices on field.



### Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x22AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

### Type List

Pin Assignment			
	Cable material	Specification	Type
 <p>4 Pole</p> <p>1-Yellow(TD+) 4-Blue(RD-) 2-White(RD+) 5-D-Code 3-Orange(TD-)</p>	PVC	22 AWG	E11DA4001M020
	TPU	22 AWG	E11DA4003M020
	PVC	22 AWG	E11DA4005M020

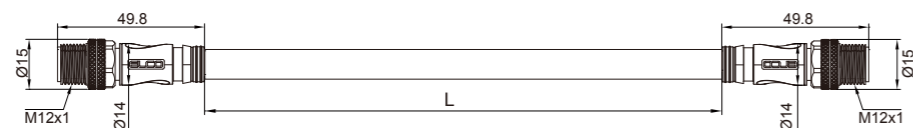
### Order Code

E11DA4001Mxxx

11: Double-ended M12  
10: Single-ended M12

001: 84-0001 cable  
003: 84-0003 cable  
005: 84-0005 cable

### Dimensions



## Profinet - RJ45/ RJ45 Pre-wired Cable

Double-ended RJ45 Pre-wired Cable  
Cat 5e, 100Mbit/S, 4-pin, IP20

Support:  EtherCAT  EtherNet/IP

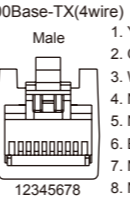
Apply to: Connection between the devices in cabinet,  
the controller and switch.



### Technical Data

Material	
Square Injection Molding Body	TPU
Contact Carrier	Gold plated
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	1.5A
Conductor	2x2x22AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

### Type List

	Cable material	Specification	Type	Type
 <p>100Base-TX(4wire) Male</p> <p>1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 4. N/C 5. N/C 6. Blue(RD-) 7. N/C 8. N/C</p>	PVC	22 AWG	E66DA4001M020	E6L6LDA4001M020
	TPU	22 AWG	E66DA4003M020	E6L6LDA4003M020
	PVC	22 AWG	E66DA4005M020	E6L6LDA4005M020

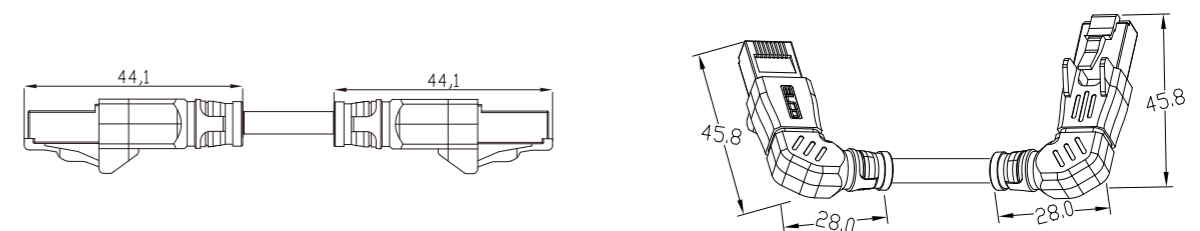
### Order Code

E66DA4002Mxxx

66: Double-ended RJ45  
60: Single-ended RJ45

001: 84-0001 cable  
003: 84-0003 cable  
005: 84-0005 cable

### Dimensions



## Profinet - RJ45/M12 Double-ended Pre-wired Cable

Double-ended RJ45-M12 Pre-wired Cable

Cat 5e, 100Mbit/S, 4-pin, IP67->IP20

Support:  EtherCAT  EtherNet/IP  POWERLINK  sercos


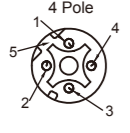

Apply to: Star topology of field devices; connection between the field devices, the controller and switch.



### Technical Data

Material	
Square Injection Molding Body	TPU
Contact Carrier	Gold plated
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	1.5A
Conductor	2x2x22AWG, shielded twisted pair
TIA/EIA Grade	Cat 5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

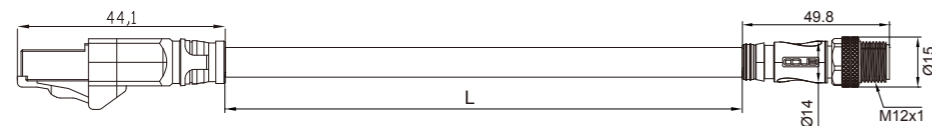
### Type List

Pin Assignment				
	100Base-TX(4wire) Male 	Cable material	Specification	Type
1-Yellow(TD+) 4-Blue(RD-) 2-White(RD+) 5-D-Code 3-Orange(TD-)	12345678 1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 6. Blue(RD-)	PVC	22 AWG	E16DA4001M020
		TPU	22 AWG	E16DA4003M020
		PVC	22 AWG	E16DA4005M020

### Order Code





### Dimensions



## Profinet - RJ45-M12 Flange Pre-wired Cable

Double-ended RJ45-M12 Flange Pre-wired Cable

Cat 5e, 100Mbit/, 4-pin, IP67->IP20

Support:  EtherCAT  EtherNet/IP


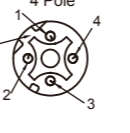

Apply to: Connection of panel and cabinet.



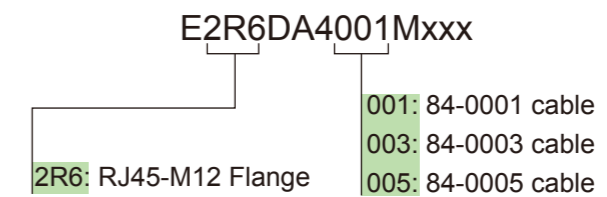
### Technical Data

Material	
Square Injection Molding Body	TPU
Contact Carrier	Gold plated
Flange	Metal
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	1.5A
Conductor	2x2x22AWG, shielded twisted pair
TIA/EIA Grade	Cat 5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

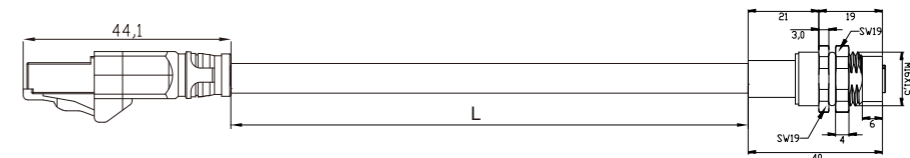
### Type List

Pin Assignment				
	100Base-TX(4wire) Male 	Cable material	Specification	Type
1-Yellow(TD+) 4-Blue(RD-) 2-White(RD+) 5-D-Code 3-Orange(TD-)	12345678 1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 6. Blue(RD-)	PVC	22 AWG	E2R6DA4001M020
		TPU	22 AWG	E2R6DA4003M020
		PVC	22 AWG	E2R6DA4005M020

### Order Code



### Dimensions



## Profinet - M12-M12 Flange Double-ended Pre-wired Cable

Double-ended M12-M12 Flange Pre-wired Cable

Cat 5e, 100Mbit/S, 4-pin, IP67->IP20

Support:  EtherCAT  EtherNet/IP  POWERLINK  Sercos


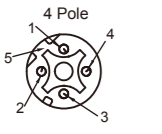
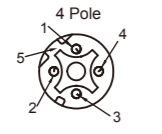
Apply to: Connection of panel and external devices of cabinet.



### Technical Data

Material	
Circular Cordsets	PUR
Flange	Metal
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x22AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

### Type List

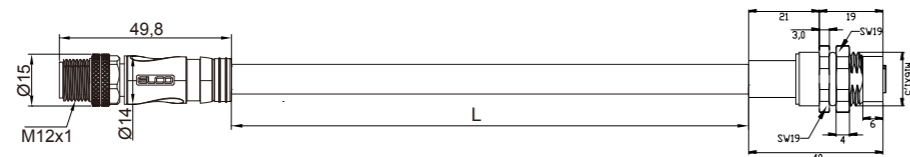
Pin Assignment				
		Cable material	Specification	Type
1-Yellow(TD+) 4-Blue(RD-) 2-White(RD+) 5-D-Code 3-Orange(TD-)	1-Yellow(TD+) 4-Blue(RD-) 2-White(RD+) 5-D-Code 3-Orange(TD-)	PVC	22 AWG	<a href="#">E2R1DA4001M020</a>
		TPU	22 AWG	<a href="#">E2R1DA4003M020</a>
		PVC	22 AWG	<a href="#">E2R1DA4005M020</a>

### Order Code

E2R1DA4001Mxxx

2R1: M12-M12 Flange  
001: 84-0001 cable  
003: 84-0003 cable  
005: 84-0005 cable

### Dimensions



## Profinet - M8-M8 Double-ended Pre-wired Cable

Double-ended M8-M8 Pre-wired Cable

Cat 5e, 100Mbit/S, 4-pin, IP67->IP20

Support:  EtherCAT  EtherNet/IP  POWERLINK  Sercos


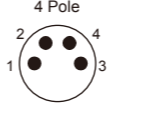
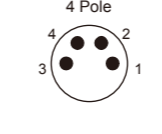
Apply to: Connection of panel and cabinet.



### Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x26AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

### Type List

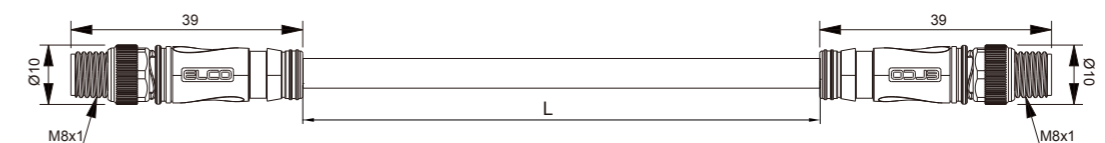
Pin Assignment				
		Cable material	Specification	Type
1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	PUR	26 AWG	<a href="#">E88DA4009M020</a>
		PUR	26 AWG	<a href="#">E88DA4009M050</a>
		PUR	26 AWG	<a href="#">E88DA4009M100</a>

### Order Code

E88DA4009Mxxx

88: Double-ended M8  
009: 84-0009 cable




### Dimensions



## Profinet - M8-M12 Double-ended Pre-wired Cable

Double-ended M8-M12 Pre-wired Cable

Cat 5e, 100Mbit/, 4-pin, IP67->IP20

Support:   


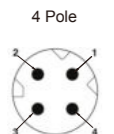
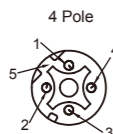
Apply to: Connection of panel and cabinet.



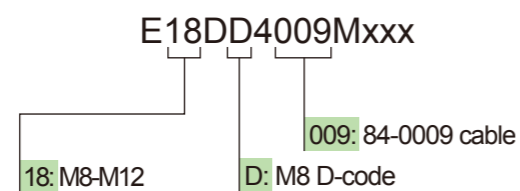
### Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x22AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>10

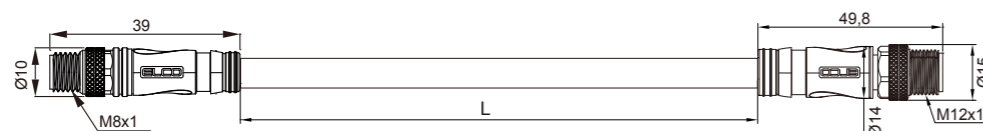
### Type List

Pin Assignment				
		Cable material	Specification	Type
1-Yellow(TD) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	1-Yellow(TD) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	PUR	26 AWG	<a href="#">E18DD4009M020</a>
		PUR	26 AWG	<a href="#">E18DD4009M050</a>
		PUR	26 AWG	<a href="#">E18DD4009M100</a>

### Order Code



### Dimensions



## Profinet - M8-M8 Double-ended Pre-wired Cable

Double-ended M8-M8 Pre-wired Cable

Cat 5e, 100Mbit/S, 4-pin, IP67->IP20

Support:     


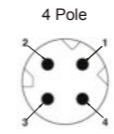
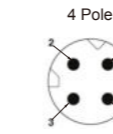
Apply to: Connection of panel and cabinet.



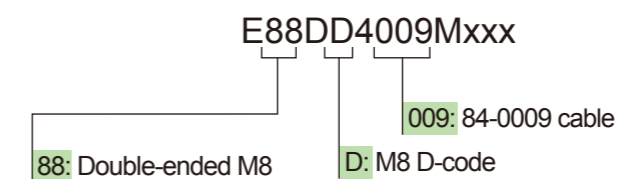
### Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x26AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

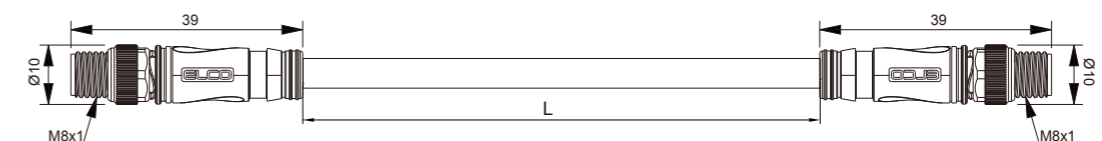
### Type List

Pin Assignment				
		Cable material	Specification	Type
1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	PUR	26 AWG	<a href="#">E88DD4009M020</a>
		PUR	26 AWG	<a href="#">E88DD4009M050</a>
		PUR	26 AWG	<a href="#">E88DD4009M100</a>

### Order Code



### Dimensions



## Profinet - RJ45-M8 Double-ended Pre-wired Cable

Double-ended RJ45-M8 Pre-wired Cable

Cat 5e, 100Mbit/S, 4-pin, IP67->IP20

Support:  EtherCAT  EtherNet/IP  POWERLINK  SERCOS 

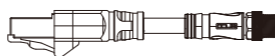
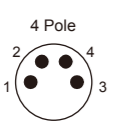

Apply to: Star topology of field devices; connection between the field devices, the controller and switch.



### Technical Data

Material	
Square Injection Molding Body	TPU
Contact Carrier	Gold plated
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	1.5A
Conductor	2x2x26AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

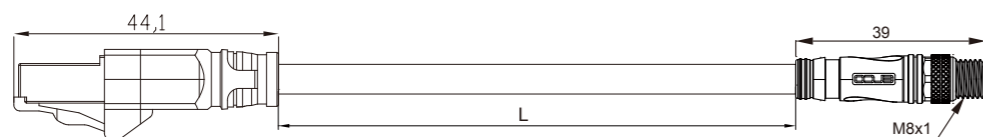
### Type List

Pin Assignment				
4 Pole	100Base-TX(4wire) Male	Cable material	Specification	Type
		PUR	26 AWG	E86DA4009M020
1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 6. Blue(RD-)	PUR	26 AWG	E86DA4009M050
		PUR	26 AWG	E86DA4009M100

### Order Code






### Dimensions



## Profinet - M8-M12 Double-ended Pre-wired Cable

Double-ended M8-M12 Pre-wired Cable

Cat 5e, 100Mbit/, 4-pin, IP67->IP20

Support:  EtherCAT  EtherNet/IP 

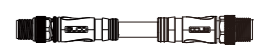
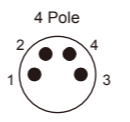
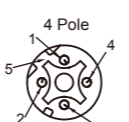
Apply to: Connection of panel and cabinet.



### Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x26AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

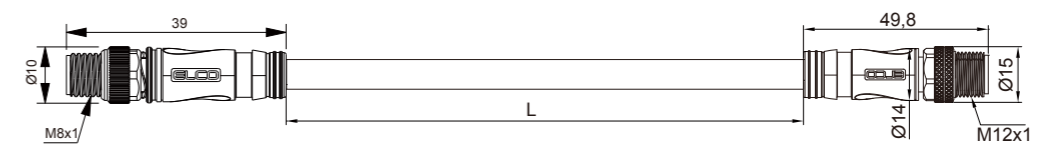
### Type List

Pin Assignment				
4 Pole	4 Pole	Cable material	Specification	Type
		PUR	26 AWG	E18DA4009M020
1-Yellow(TD+) 2-White(RD+) 3-Orange(TD-) 4-Blue(RD-)	1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	PUR	26 AWG	E18DA4009M050
		PUR	26 AWG	E18DA4009M100

### Order Code



### Dimensions



## Profinet - RJ45 Field-attachable Cable/M12 Pre-wired Cable

Double-ended RJ45 Field-attachable Cable-M12 Pre-wired Cable

Cat 6, 1000Mbit/S, 8-pin, IP67->IP20


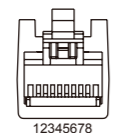
Apply to: Star topology of field devices; connection between the field devices, the controller and switch.



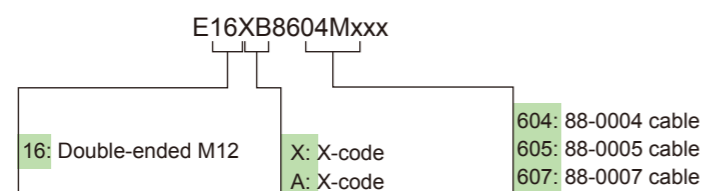
### Technical Data

Material	
Square Injection Molding Body	PA
Contact Carrier	Gold plated
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V
Operating Current	0.5 A
Conductor	4x2x24/26AWG, shielded twisted pair
TIA/EIA Grade	Cat6
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

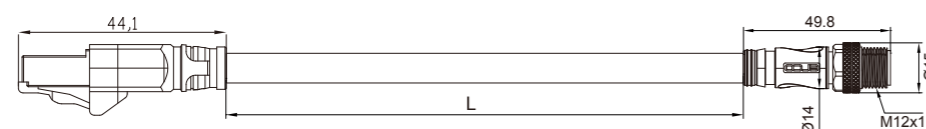
### Type List

Pin Assignment		Cable material	Specification	Type
<p>8 Pole</p>  <p>1. wh/or 2. or 3. wh/gn 4. gn 5. wh/bn 6. bn 7. wh/bu 8. bu</p>	<p>1000Base-TX(8wire) Male</p>  <p>12345678</p> <p>1. wh/or 2. or 3. wh/gn 4. bu 5. wh/bu 6. gn 7. wh/bn 8. bn</p>			
		PVC	26 AWG	E16XB8604M020
		TPU	24 AWG	E16XB8605M020

### Order Code



### Dimensions



## Profinet - M12-M12 Double-ended Pre-wired Cable

Double-ended M12 X-code Pre-wired Cable

Cat 6, 1000Mbit/S, 8-pin, IP67



Apply to: Connection of devices on field.



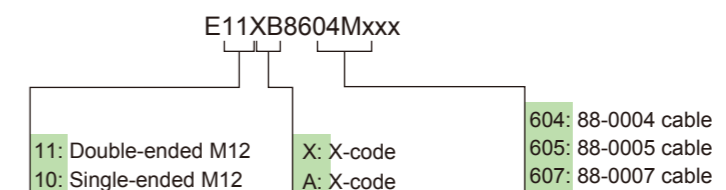
### Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V
Operating Current	0.5 A
Conductor	4x2x24/26AWG, shielded twisted pair
TIA/EIA Grade	Cat6
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

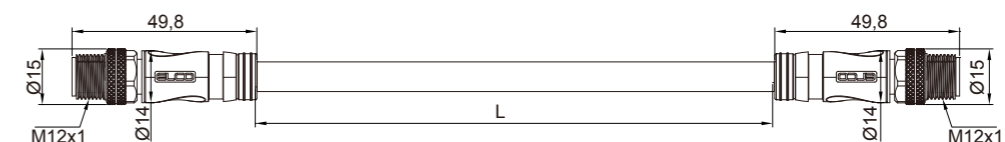
### Type List

Pin Assignment		Cable material	Specification	Type
<p>8 Pole</p>  <p>1. wh/or 2. or 3. wh/gn 4. gn 5. wh/bn 6. bn 7. wh/bu 8. bu</p>	<p>8 Pole</p>  <p>1. wh/or 2. or 3. wh/gn 4. gn 5. wh/bn 6. bn 7. wh/bu 8. bu</p>			
		PVC	26AWG	E11XB8604M020
		TPU	24 AWG	E11XB8605M020

### Order Code



### Dimensions





## Profinet - RJ45 Field-attachable Cable

Double-ended RJ45 Field-attachable Cable

Cat 6, 1000Mbit/S, 8-pin, IP20

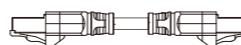
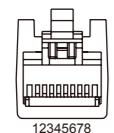
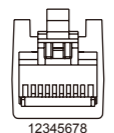
Apply to: Connection between the devices in cabinet, the controller and switch.



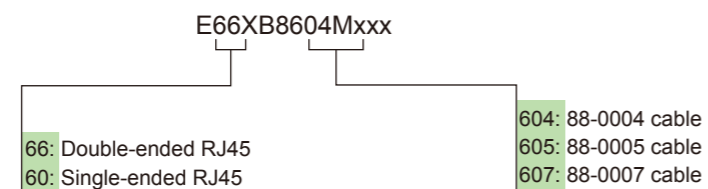
### Technical Data

Material	
Square Injection Molding Body	PA
Contact Carrier	Gold plated
Cable	For details, see cable list.
Operating Voltage	60V
Operating Current	0.5 A
Conductor	4x2x24/26AWG, shielded twisted pair
TIA/EIA Grade	Cat6
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80°C
Mechanical Life	>100

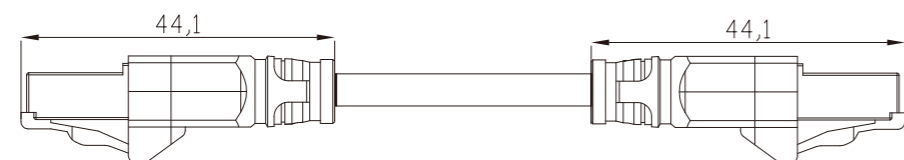
### Type List

Pin Assignment				
1000Base-TX(8wire) Male	1000Base-TX(8wire) Male	Cable material	Specification	Type
 12345678 1. wh/or 2. or 3. wh/gn 4. bu 5. wh/bu 6. gn 7. wh/bn 8. bn	 12345678 1. wh/or 2. or 3. wh/gn 4. bu 5. wh/bu 6. gn 7. wh/bn 8. bn	PVC	26AWG	E66XB8604M020
		TPU	24 AWG	E66XB8605M020

### Order Code



### Dimensions



## Profinet Field-attachable Connector

### Functions:

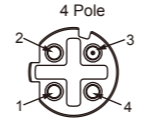
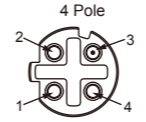
- For Profinet field connection
- M12 D-coded interface



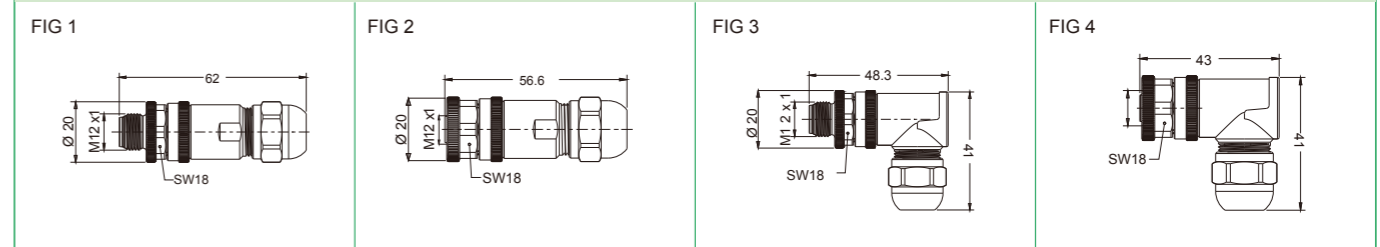
### Technical Data

Material	
Nut	Nickel plated brass
Housing	Nickel plated brass
Contact	Gold-plated
Cable	
Cable Material	22-24 AWG
	0.25-0.34mm <sup>2</sup>
Outer Diameter	5.5-7.2mm
Using Grade	
Protection Class	IP67
Ambient Temperature	-30...+80°C


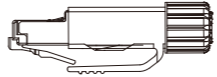

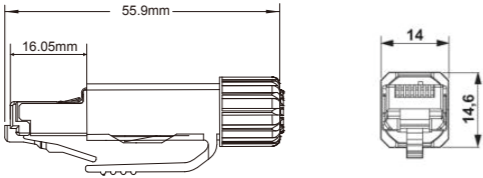
### Type List

Cross section	Max. current	Voltage	Outer diameter	Male straight		Female straight	
				Type	Fig.	Type	Fig.
 4 Pole 1 - Yellow (TD+) 2 - White (RD+) 3 - Orange (TD-) 4 - Blue (RD-)	4.0A	32V	5.50-7.20mm	ES06-52/C	FIG1	ES00-52/C	FIG2
 4 Pole 1 - Yellow (TD+) 2 - White (RD+) 3 - Orange (TD-) 4 - Blue (RD-)	4.0A	32V	5.50-7.20mm	ES07-52/C	FIG3	ES01-52/C	FIG4



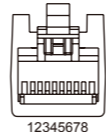
### Dimensions



## Profinet Field-attachable Connector

Functions:					
<ul style="list-style-type: none"> <li>■ For Profinet field connection</li> <li>■ RJ45 interface</li> </ul>					
					
Technical Data					
Material					
Housing	PA				
Contact Carrier	Nickel plated brass				
Contact	Gold-plated				
Cable					
Cable Material	22-24 AWG				
	0.25-0.34mm <sup>2</sup>				
Outer Diameter	6.0-6.9mm				
Using Grade					
Protection Class	IP20				
Ambient Temperature	-30...+80°C				
Type List					
					
Cross section	Max. current	Voltage	Outer diameter	Type	Fig.
100Base-TX(4wire) Male  12345678 1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 4. N/C 5. N/C 6. Blue(RD-) 7. N/C 8. N/C	1.75A	60V	6.0-6.9mm	ENS45	Fig. 1
Dimensions					
Fig. 1					
					

## Profinet Field-attachable Connector

<ul style="list-style-type: none"> <li>■ For Profinet field connection</li> <li>■ RJ45 interface</li> </ul>					
					
Technical Data					
Material					
Housing	Zinc alloy				
Contact	Gold plating				
Cable					
Cable Material	22-24 AWG				
	0.25-0.34mm <sup>2</sup>				
Outer Diameter	6.0-6.9mm				
Using Grade					
Protection Class	IP20				
Ambient Temperature	-25...+85°C				
Type List					
					
Cross section	Max. current	Voltage	Outer diameter	Type	Fig.
100Base-TX(4wire) Male  12345678 1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 4. N/C 5. N/C 6. Blue(RD-) 7. N/C 8. N/C	1.75A	60V	6.0-6.9mm	ENS45-G1	FIG1
Dimensions					
FIG 1					
