

# 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
- 002:84-0002
- 003:84-0003
- 004:84-0004
- 005:84-0005
- 006:84-0006
- 008:84-0008
- 009:84-0009
- 011:88-0011
- 601:88-0001
- 604:88-0004
- 605:88-0005

\* : For other cable information, please inquire

**No. of pin**

- 4: 4-pin
- 8: 8-pin

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

**Connection Code**

- D: D-coding
- X: X-coding
- A: A-coding

# Profinet Cable

EtherNet/IP™			PROFINET®			EtherCAT®			sercos the automation bus			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		Signal Indication	Plug Connector	
	RJ45	M12		RJ45	M12		RJ45	M12		RJ45	M12		RJ45	M12
TD+	1	1	TD+	1	1	TD+	1	1	TD+	1	1	TD+	2	3
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	2	RD+	3	5
RD-	6	4	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	Color of cable core		Signal	Color of cable core		Signal
WH/OG		TD+	YL		TD+	YL		TD+	YL		TD+	WH/OG		TD+
OG		TD-	OG		TD-	OG		TD-	OG		TD-	OG		TD-
WH/BL			WH		RD+	WH		RD+	WH		RD+	WH/BL		
BL			BL		RD-	BL		RD-	BL		RD-	BL		
WH/GN		RD+										WH/GN		RD+
GN		RD-										GN		RD-
WH/BN												WH/BN		
BN												BN		

## Profinet Cable

	Type	Condition	Rated Voltage	Ambient Temperature	Max. diameter	Conductor	
	84-0002 (UL)	Fixed installation 2x2x22AWG 1typeA	30V	-40...+75°C	6.5±0.2 mm	Solid bare copper wire (0.65mm)	
	84-0004	For application with high load and moving 2x2x22AWG 19typeC	30V	-40...+80°C	6.5±0.2 mm	Tin Stranded wire (19*0.16mm)	
	84-0006 (UL)	Flexible installation 2x2x22AWG 19typeB	30V	-40...+80°C	6.5±0.2 mm	Tin Stranded wire (19*0.16mm)	
	84-0008 (UL)	For application with high load and moving 2x2x26AWG 19	30V	-40...+80°C	4.9±0.2 mm	Bare copper wire (19*0.1mm)	
	84-0009 (UL)	Fixed installation 2x2x26AWG 19	30V	-40...+80°C	4.9±0.2 mm	Bare copper wire (19*0.1mm)	
	88-0001 (UL)	Fixed installation 4x2x24 AWG 1	30V	-40...+80°C	8.0±0.2 mm	Bare copper wire (0.51mm)	
	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	Flexible installation 4x2x24 AWG 7	30V	-40...+80°C	6.6±0.3 mm	Bare copper wire (7*0.6mm)	

Impedence	Shielding	Outer Jacket	Communication Cable Color	Bending Diameter	Bending Life
—	Tined copper braid	PVC, Green	Red+Yellow+ White+Blue	15* Cable diameter	—
—	Tined copper braid	PUR, Green	Red+Yellow+ White+Blue	10* Cable diameter	300 million times
—	Tined copper braid	PVC, Green	Red+Yellow+ White+Blue	10* Cable diameter	—
—	Tined copper braid	PUR, Green	Orange+Yellow+ White+Blue	7.5* Cable diameter	500 million times
—	Tined copper braid	PUR, Green	Orange+Yellow+ White+Blue	7.5* Cable diameter	—
—	Tined copper braid	PVC, Green	Orange+White/Orange+ Blue+White/Blue+ Green+White/Green+ Brown+White/Brown	5* Cable diameter	—
—	Tined copper braid	PVC, Grey	Orange+White/Orange+ Blue+White/Blue+ Green+White/Green+ Brown+White/Brown	8* Cable diameter	—
—	Tined copper braid	PUR, Blue	Orange+White/Orange+ Blue+White/Blue+ Green+White/Green+ Brown+White/Brown	5* 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 

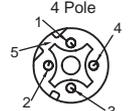
Apply to: Connection of devices on field.



## 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			
 <p>4 Pole 1- Yellow(TD+) 4-Blue(RD-) 2-White(RD+) 5-D-Code 3-Orange(TD-)</p>	Cable material	Specification	Type
	PVC	22 AWG	E11D04001M020
	TPU	22 AWG	E11D04003M020
	PVC	22 AWG	E11D04005M020

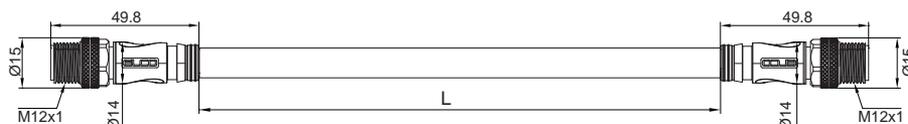
## Order Code

E11D04001Mxxx

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

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

## Dimensions



# Profinet - RJ45/ RJ45 Pre-wired Cable

Double-ended RJ45 Pre-wired Cable

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

Support: EtherCAT

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
100Base-TX(4wire) Male 1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 4. N/C 5. N/C 6. Blue(RD-) 7. N/C 8. N/C 12345678	PVC	22 AWG	E66DA4001M020	E6L6LDA4001M020
	TPU	22 AWG	E66DA4003M020	E6L6LDA4003M020
	PVC	22 AWG	E66DA4005M020	E6L6LDA4005M020

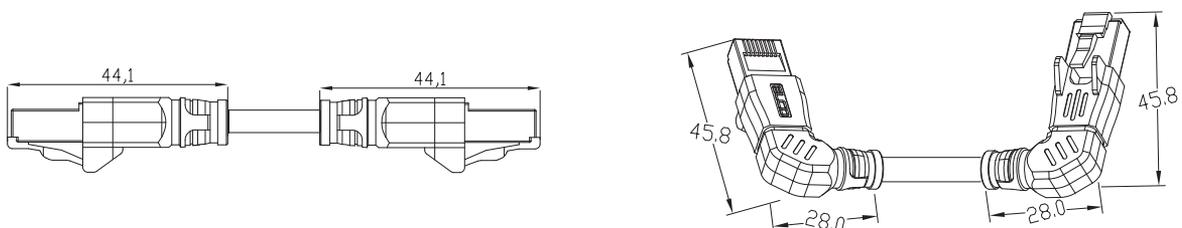
## Order Code

E66DA4001Mxxx

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

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

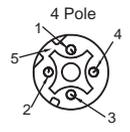
Apply to: Star topology of field devices; connection between the field devices, the controller and switch.



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

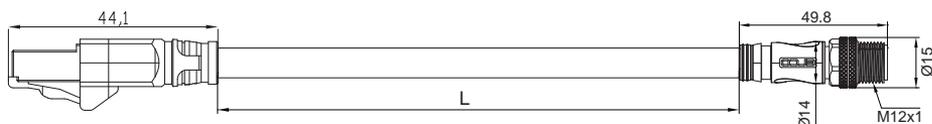
## Order Code

E16DA4001Mxxx

16: M12-RJ45

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

## Dimensions



# Profinet - RJ45-M12 Flange Pre-wired Cable

Double-ended RJ45-M12 Flange Pre-wired Cable

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

Support:

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

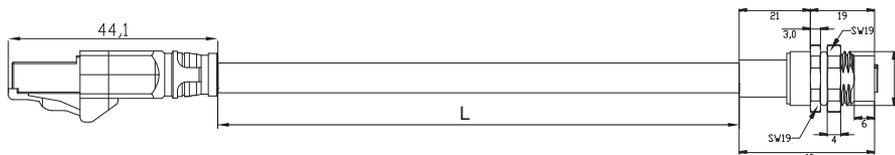
## Order Code

E2R6DA4001Mxxx

2R6: RJ45-M12 Flange

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

## 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 

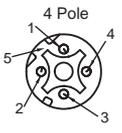
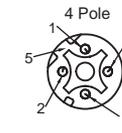
Apply to: Connection of panel and external devices of cabinet.



## 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="#">E2R1D04001M020</a>
		TPU	22 AWG	<a href="#">E2R1D04003M020</a>
		PVC	22 AWG	<a href="#">E2R1D04005M020</a>

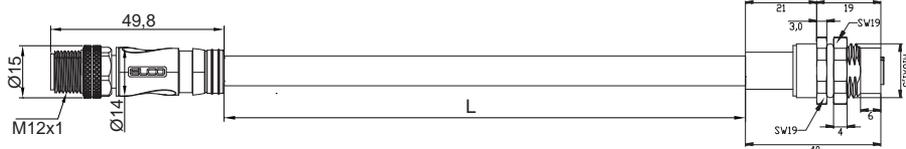
## Order Code

E2R1D04001Mxxx

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:

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				
<p>1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	<p>1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	Cable material	Specification	Type
		PUR	26 AWG	<a href="#">E88D04009M020</a>
		PUR	26 AWG	<a href="#">E88D04009M050</a>
		PUR	26 AWG	<a href="#">E88D04009M100</a>

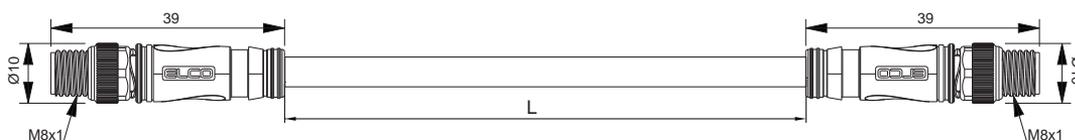
## Order Code

E88D04009Mxxx

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.



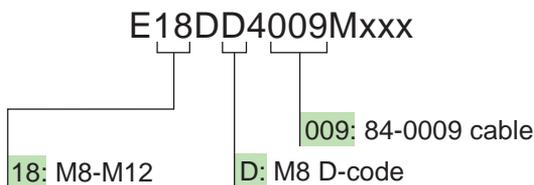
## Technical Data

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

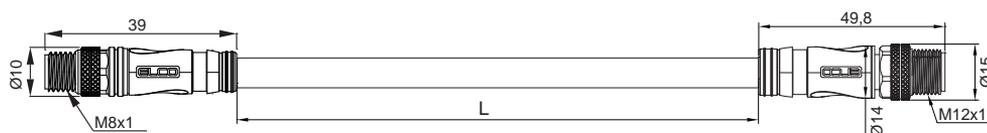
## Type List

Pin Assignment				
<p>4 Pole</p>  <p>1-Yellow(TD) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	<p>4 Pole</p>  <p>1-Yellow(TD) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	Cable material	Specification	Type
		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.



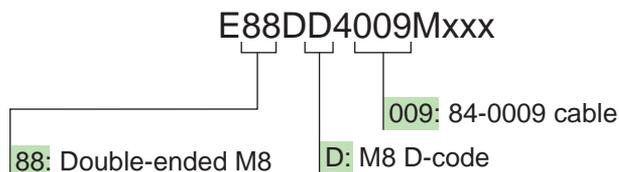
## Technical Data

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

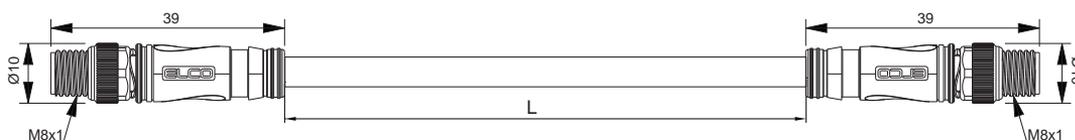
## Type List

Pin Assignment				
<p>4 Pole</p> <p>1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	<p>4 Pole</p> <p>1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	Cable material	Specification	Type
		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:     

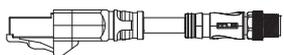
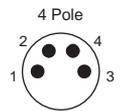
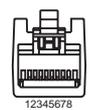
Apply to: Star topology of field devices; connection between the field devices, the controller and switch.



## 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

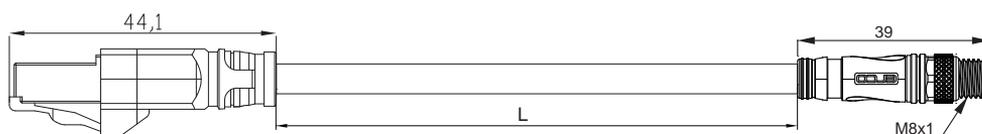
## Type List

Pin Assignment				
 <p>4 Pole</p> <p>1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	 <p>100Base-TX(4wire) Male</p> <p>12345678</p> <p>1. Yellow(TD+) 2. Orange(TD-) 3. White(RD+) 6. Blue(RD-)</p>	Cable material	Specification	Type
		PUR	26 AWG	E86DA4009M020
		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:

Apply to: Connection of panel and cabinet.



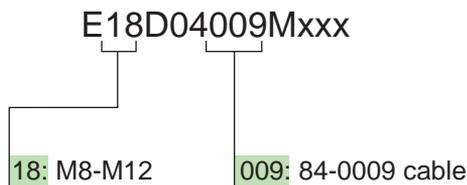
## Technical Data

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

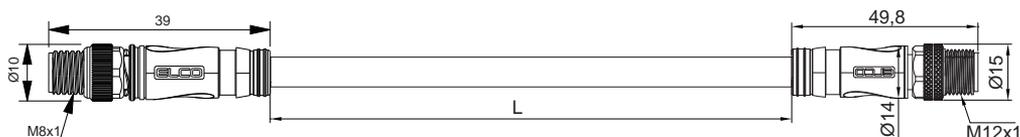
## Type List

Pin Assignment				
		Cable material	Specification	Type
<p>1-Yellow(TD+) 2-White(RD+) 3-Orange(TD-) 4-Blue(RD-)</p>	<p>1-Yellow(TD+) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)</p>	PUR	26 AWG	<a href="#">E18D04009M020</a>
		PUR	26 AWG	<a href="#">E18D04009M050</a>
		PUR	26 AWG	<a href="#">E18D04009M100</a>

## 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

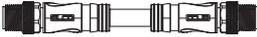
Apply to: Connection of devices on field.



## 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				
8 Pole	8 Pole	Cable material	Specification	Type
 <ul style="list-style-type: none"> <li>1. wh/or</li> <li>2. or</li> <li>3. wh/gn</li> <li>4. gn</li> <li>5. wh/bn</li> <li>6. bn</li> <li>7. wh/bu</li> <li>8. bu</li> </ul>	 <ul style="list-style-type: none"> <li>1. wh/or</li> <li>2. or</li> <li>3. wh/gn</li> <li>4. gn</li> <li>5. wh/bn</li> <li>6. bn</li> <li>7. wh/bu</li> <li>8. bu</li> </ul>	PVC	24 AWG	<a href="#">E11X08601M020</a>
		TPU	24 AWG	<a href="#">E11X08602M020</a>
		TPU	26 AWG	<a href="#">E11X08603M020</a>

## Order Code

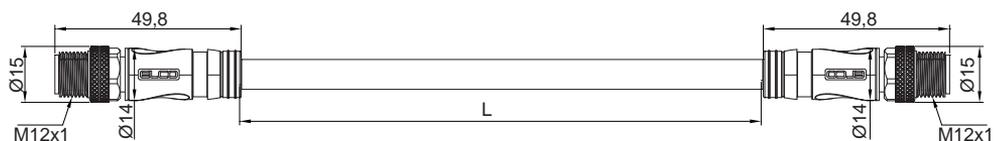
E11X08601Mxxx

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

X: X-code  
A: A-code

601: 88-0001 cable  
602: 88-0005 cable  
603: 88-0003 cable

## Dimensions



# Profinet - RJ45 Field-attachable Cable

Double-ended RJ45 Field-attachable Cable

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

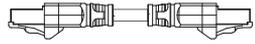
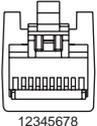
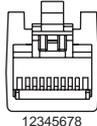
Apply to: Connection between the devices in cabinet, the controller and switch.



## 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
 <p>1. wh/or 2. or 3. wh/gn 4. bu 5. wh/bu 6. gn 7. wh/bn 8. bn</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> <p>12345678</p>	PVC	24 AWG	<a href="#">E66X08601M020</a>
		TPU	24 AWG	<a href="#">E66X08602M020</a>
		TPU	26 AWG	<a href="#">E66X08603M020</a>

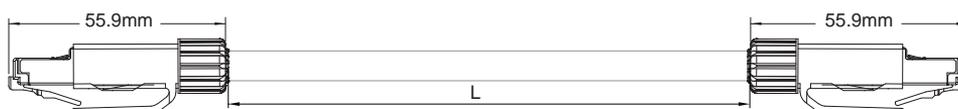
## Order Code

E66X08601Mxxx

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

601: 88-0001 cable  
602: 88-0005 cable  
603: 88-0003 cable

## 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

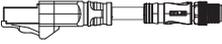
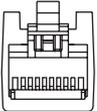
Apply to: Star topology of field devices; connection between the field devices, the controller and switch.



## Technical Data

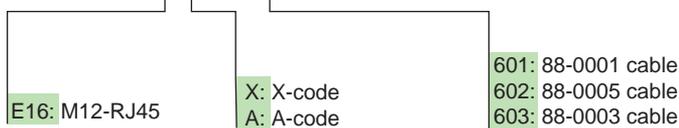
Material	
Square Injection Molding Body	PA
Contact Carrier	Gold plated
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V
Operating Current	0.5 A
Conductor	4x2x24/26AWG, shielded twisted pair
TIA/EIA Grade	Cat6
Certificate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

## Type List

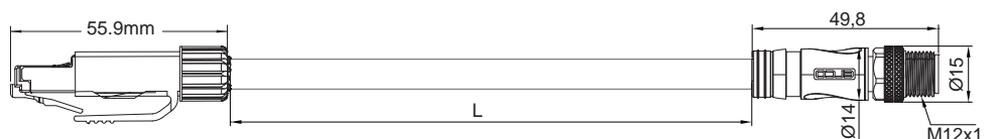
Pin Assignment				
<p>8 Pole</p>  <p>1. wh/or 2. or 3. wh/gn 4. gn 5. wh/bn 6. bn 7. wh/bu 8. bu</p>	<p>1000Base-TX(8wire) Male</p>  <p>12345678</p> <p>1. wh/or 2. or 3. wh/gn 4. bu 5. wh/bu 6. gn 7. wh/bn 8. bn</p>	Cable material	Specification	Type
		PVC	24 AWG	<a href="#">E16X08601M020</a>
		TPU	24 AWG	<a href="#">E16X08602M020</a>
		TPU	26 AWG	<a href="#">E16X08603M020</a>

## Order Code

E16X08601Mxxx



## Dimensions



# Profinet Field-attachable Connector

## Functions:

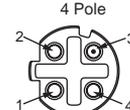
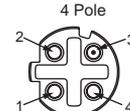
- For Profinet field connection
- M12 D-coded interface



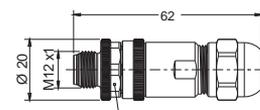
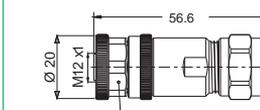
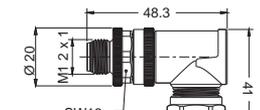
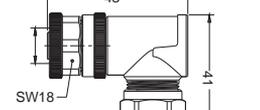
## Technical Data

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.
 <p>4 Pole</p> <p>1 - Yellow (TD+) 2 - White (RD+) 3 - Orange (TD-) 4 - Blue (RD-)</p>	4.0A	32V	5.50-7.20mm	ES06-52/C	FIG1	ES00-52/C	FIG2
 <p>4 Pole</p> <p>1 - Yellow (TD+) 2 - White (RD+) 3 - Orange (TD-) 4 - Blue (RD-)</p>	4.0A	32V	5.50-7.20mm	ES07-52/C	FIG3	ES01-52/C	FIG4

## Dimensions

<p>FIG 1</p> 	<p>FIG 2</p> 	<p>FIG 3</p> 	<p>FIG 4</p> 
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# Profinet Field-attachable Connector

## Functions:

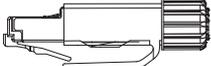
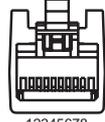
- For Profinet field connection
- RJ45 interface



## Technical Data

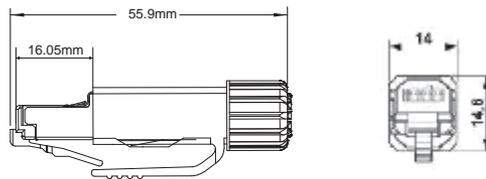
Material	
Housing	PA
Contact Carrier	Nickel plated brass
Contact	Gold-plated
Cable	
Cable Material	22-24 AWG
	0.25-0.34mm <sup>2</sup>
Outer Diameter	6.0-6.9mm
Using Grade	
Protection Class	IP20
Ambient Temperature	-30...+80°C

## Type List

					
Cross section	Max. current	Voltage	Outer diameter	Type	Fig.
100Base-TX(4wire) Male  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—ProfiNet Extension part

## Functions:

- For Profinet field connection



## Technical Data

Housing	PC+ABS	
Ambient Temperature	-40...80 C	
<b>Type</b>		
Type	ENS-DA1	ENS-DA1/10PCS
Fig.	FIG1	

## Dimensions

FIG 1

