


2172263	<b>DATA SHEET</b>	
Valid from: 30.06.2021	<b>IE-6A-M12X-S-(L*)-P-4-24-T-M12X-S</b>	

## Description

- Ethernet patchcords Cat.6A, shielded
- For industrial ethernet and torsion
- Consisting of 2x straight M12-plug



## General characteristics

Connection method, connector	M12x1-plug, x-code
Number of pins	8
Ambient temperature	-30°C to +80°C (-22°F to 176°F) (fixed installation) -30°C to +70°C (-22°F to 158°F) (flexible installation)
Degree of protection	IP 65, IP 67 (M12 -plugged and locked)
Shielding	shielded
Tightening torque	1.0 Nm (M12-connector)

## Variation

Article	Description	Length (L*) [m]
2172263	IE-6A-M12X-S-0,5-P-4-24-T-M12X-S	0.5
2172264	IE-6A-M12X-S-1-P-4-24-T-M12X-S	1
2172265	IE-6A-M12X-S-2-P-4-24-T-M12X-S	2
2172266	IE-6A-M12X-S-3-P-4-24-T-M12X-S	3
2172267	IE-6A-M12X-S-5-P-4-24-T-M12X-S	5
2172307	IE-6A-M12X-S-7-P-4-24-T-M12X-S	7
2172268	IE-6A-M12X-S-10-P-4-24-T-M12X-S	10
2172308	IE-6A-M12X-S-15-P-4-24-T-M12X-S	15
2172269	IE-6A-M12X-S-20-P-4-24-T-M12X-S	20

## Additional note

Data sheet also valid for variant lengths. Other lengths on request.  
Cable support necessary for torsional stress.


## Electrical properties

Rated voltage	50 VAC / 60 VDC
Rated current at 40 °C	0.5 A
Pollution degree	3 (M12 -plugged and locked)

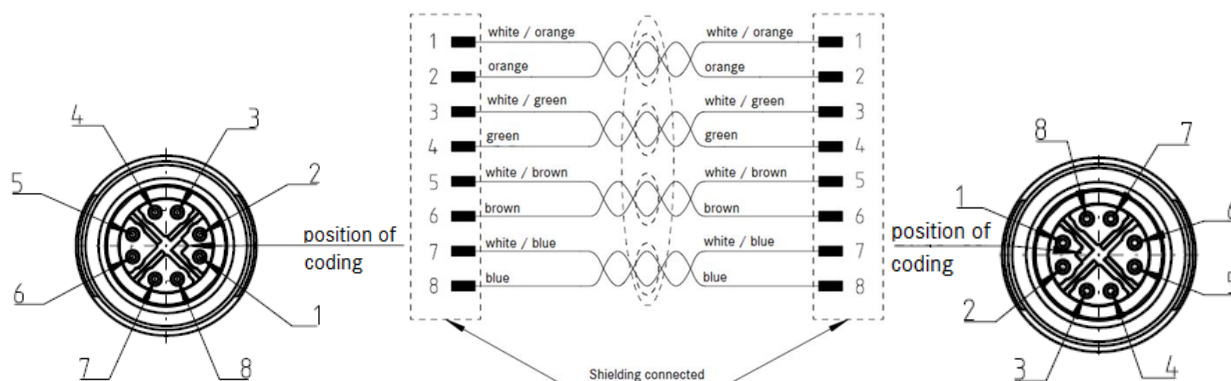
## Transmission characteristics

Category (ISO)	6A
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## Connector pin assignment



## Mechanical properties

### M12-plug

Inflammability class according to UL 94

Housing, material

Contact, material

Contact carrier, material

Knurl, material

Handle, material

**Line (Lapp article number: 2170481)**

Cable construction

Conductor diameter including isolation

Cable outer diameter

Insulation color

Sheath color

Type of pair shielding

Shielding

Bending radius

Outer coating, material

Wire insulation, material

Flame resistance

Halogen-free

Oil resistance

TPU → HB

Cu, nickel plated

CuNi, gold plated

TPU, natur

Cu, nickel plated

TPU, black

4x2x AWG 26 / 7

ca. 1.45 mm

ca. 9.4 mm

white/blue, blue, white/orange, orange,

white/green, green, white/brown, brown

green, similar RAL 6018

Plastic laminated alufoil

Braid made of tinned copper wires

8 x cable outer diameter (fixed installation)

15 x cable outer diameter (flexible installation)

PUR

PP

acc. IEC 60332-1-2

acc. UL 1581 (VW-1)

acc. VDE 0472-815

acc. IEC 60754-1

acc. IEC 60811-404

acc. EN 50363-10-2

## Standards / Approvals


Product standard, M12-connector

IEC 61076-2-109

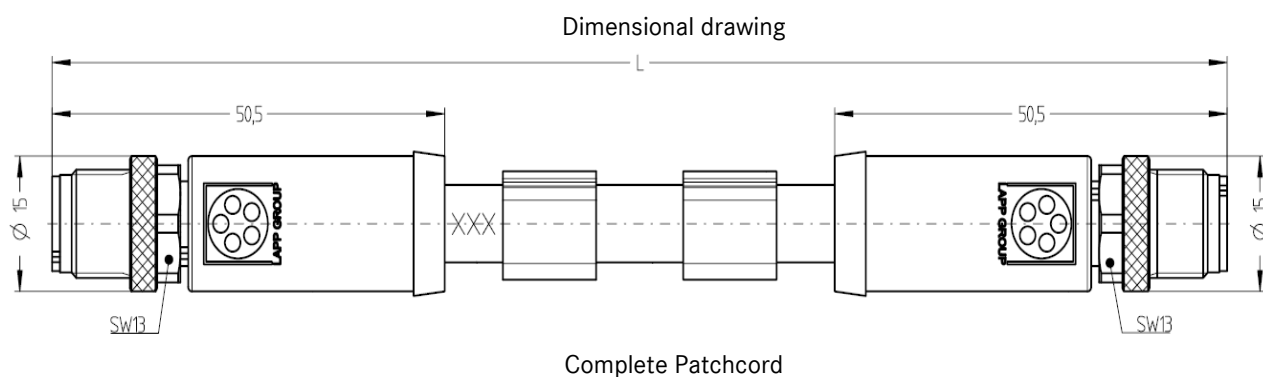
Generic cabling for customer premises – General requirements

ISO/IEC 11801, Chapter 13, Category 6A

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## Technical drawing



## Application range

Automation, industrial machinery and plant engineering

## Note

Photographs are not true to scale and do not represent detailed images of the respective products.  
Cable restraint necessary for torsional stress.