

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

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)

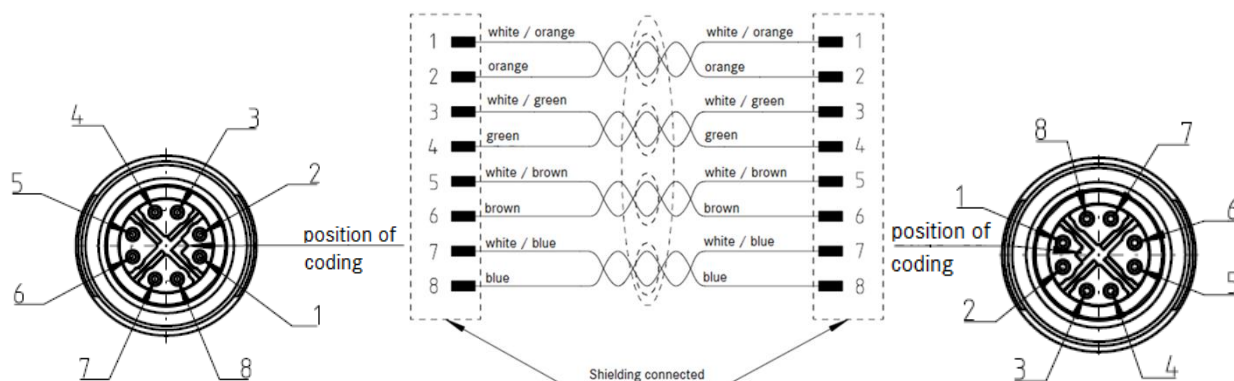
Transmission characteristics

Category (ISO)	6A
----------------	----

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB2172263EN Version: 00	Page 1 of 3
---	--------------------------------------	-------------

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

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

Generic cabling for customer premises – General requirements

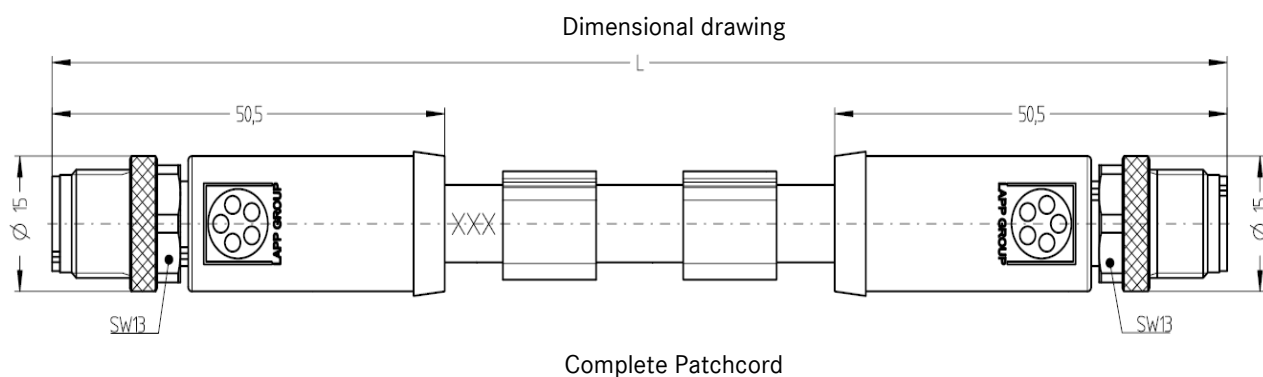
IEC 61076-2-109

ISO/IEC 11801, Chapter 13, Category 6A

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB2172263EN Version: 00	Page 2 of 3
---	--------------------------------------	-------------

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

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.

Creator: FELI1/PDP Released: IVSE1/PDP	Document: DB2172263EN Version: 00	Page 3 of 3
---	--------------------------------------	-------------