


2171959	DATA SHEET	
Valid from: 03.09.2024	IE-EC-5-M8-A-L(*)-P-2-26-FD-M8-A	

Description

- Ethernet patchcords Cat.5e, shielded
- For industrial ethernet and cable chain
- Consisting of straight M8-plug and M8-plug



General characteristics

Connection method, connector	M8x1-plug, A-code
Number of pins	4
Ambient temperature	-40°C to +80°C (-40°F to 176°F) (fixed installation) -30°C to +50°C (-22°F to 122°F) (flexible installation)
Degree of protection	IP 67 (M8 -plugged and locked)
Shielding	shielded
Tightening torque	0,6 Nm (M8-connector)

Variation

Article	Description	Length (L*) [m]
2171959	IE-EC-5-M8-A-0,5-P-2-26-FD-M8-A	0,5
2171960	IE-EC-5-M8-A-1-P-2-26-FD-M8-A	1
2171961	IE-EC-5-M8-A-2-P-2-26-FD-M8-A	2
2171962	IE-EC-5-M8-A-3-P-2-26-FD-M8-A	3
2171963	IE-EC-5-M8-A-5-P-2-26-FD-M8-A	5
2171964	IE-EC-5-M8-A-7-P-2-26-FD-M8-A	7
2171965	IE-EC-5-M8-A-10-P-2-26-FD-M8-A	10
2171966	IE-EC-5-M8-A-15-P-2-26-FD-M8-A	15
2171967	IE-EC-5-M8-A-20-P-2-26-FD-M8-A	20

Additional note

Data sheet also valid for variant lengths. Other lengths on request.


Electrical properties

Rated voltage	30 VDC
Rated current at 40 °C	4 A
Pollution degree	3 (M8 -plugged and locked)

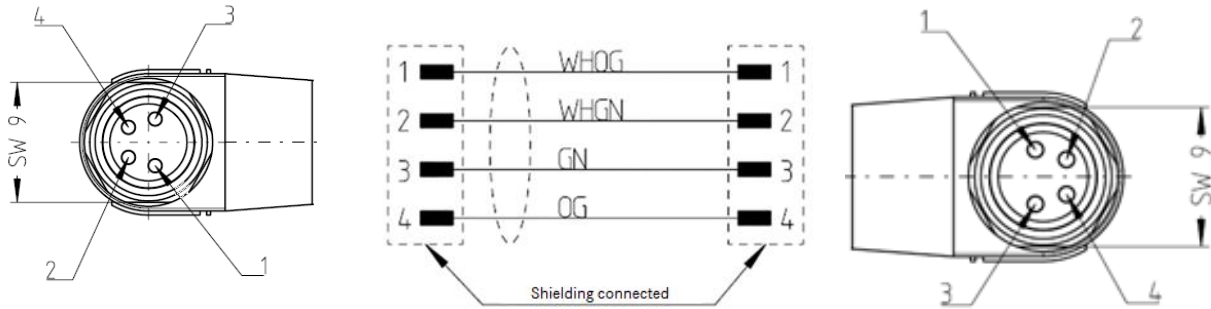
Transmission characteristics

Category (ISO)	5e
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Connector pin assignment



Mechanical properties

M8-jack


Contact, material	CuZn, gold plated
Contact carrier, material	TPU, black
Knurl, material	CuZn, nickel plated
Handle, material	TPU, black

Line (Lapp article number: 2170433)

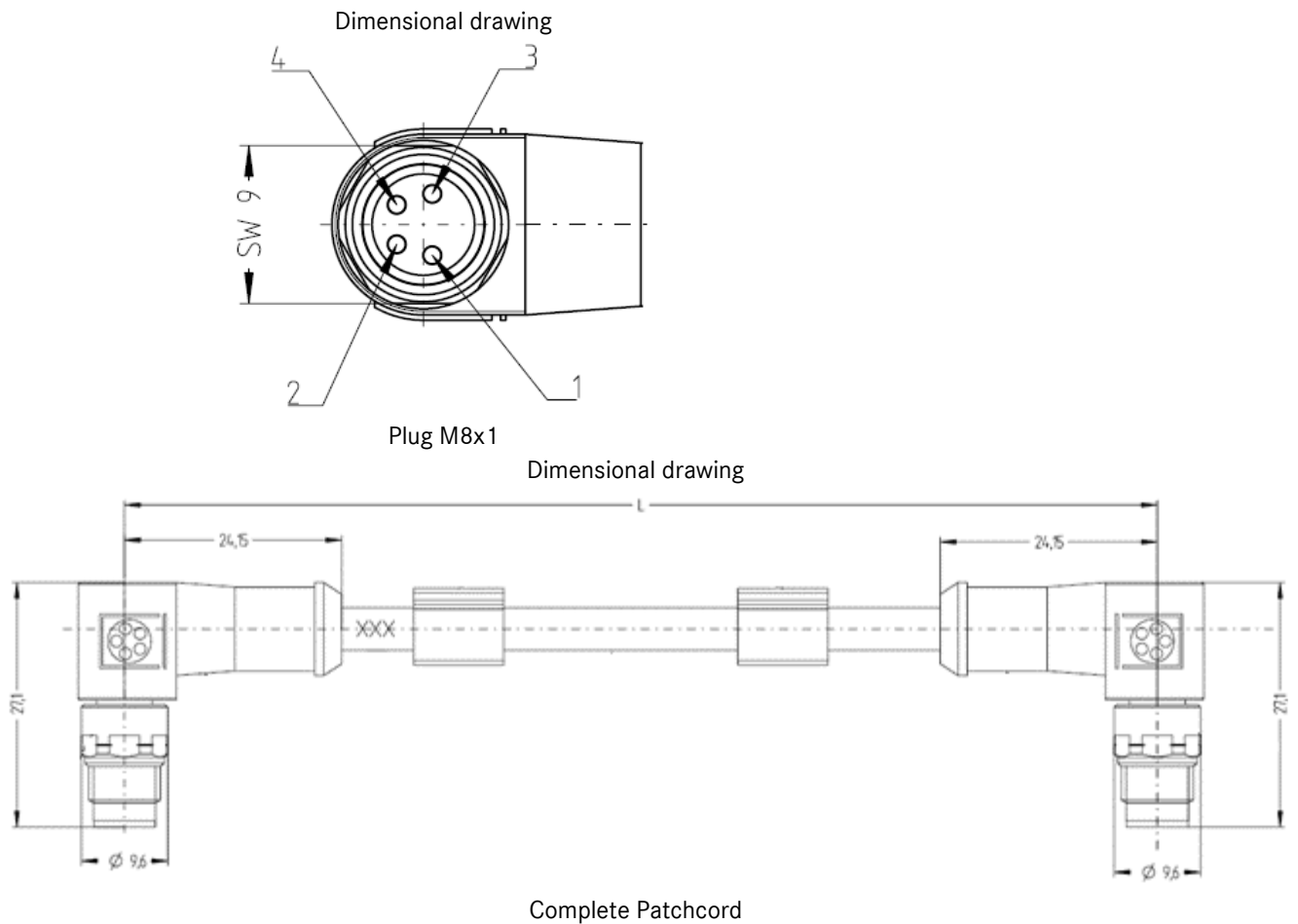
Cable construction	1x4x AWG 26/19
Conductor diameter including isolation	Max. 1,09 mm
Cable outer diameter	4,8 mm
Insulation color	white-orange/orange, white-green/green
Sheath color	green, similar RAL 6018
Type of pair shielding	Alufoil (overlapped)
Shielding	Braid made of tinned copper wires
Bending radius	4 x cable outer diameter (fixed installation) 16 x cable outer diameter (flexible installation)
Number of bending cycle	3.000.000
Traveling distance	5 m
Travel speed	3 m/s
Acceleration	3 m/s ²
Outer coating, material	TPU
Wire insulation, material	PO
Flame resistance	acc. IEC 60332-1-2
Oil resistance	acc. EN 50363-10-2

Standards / Approvals

Product standard, M8-connector	IEC 61076-2-104
Generic cabling for customer premises – General requirements	ISO/IEC 11801

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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.

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