



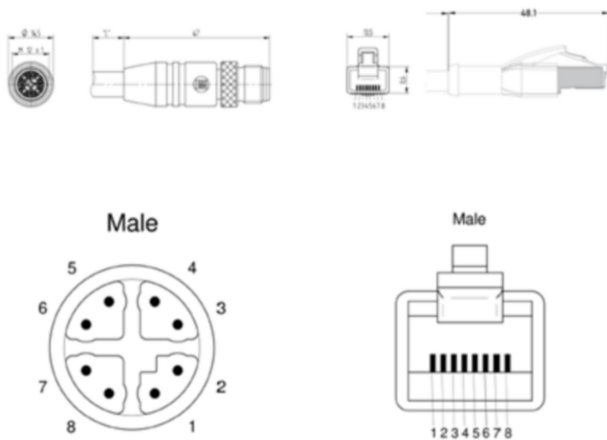
**Product:** [E7XSJSE6011](#)

Gigabit Ethernet Cat6A Data Double-Ended Cord set: Male straight X-coded black M12 standard to male straight black RJ45, 26AWG shielded, PUR cable, 8 wires

## Product Description

Gigabit Ethernet Cat6A Data Double-Ended Cordset: Male straight X-coded black M12 standard to male straight black RJ45 standard, 26AWG shielded, PUR cable, 8 wires

## Technical Drawing



## Technical Specifications

### Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white/orange	orange	white/green	green	white/brown	brown	white/blue	blue

### Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white/orange	orange	white/green	blue	white/blue	green	white/brown	brown

## Product Description

Product Family:	Data Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	30 V
Data Transmission:	Up to 10GBase-T, Cat6A
Data Transmission Rate:	10 Gbit/s

## Technical Data Side 1

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight

Attachment Type:	Coupling Screw
Number of Pins:	8
Coding:	X
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 80 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. To DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	PA
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 V-0
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	CuZn, tin-plated
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

#### Cable Data

Cable Type:	4P Cat6A S/FTP PVC CABLE
Number of Wires:	8
ISO/IEC Compliance:	IEC 11801
UL AWM Style Compliance:	AWM 22313
Conductor material:	Stranded Bare Copper
Cable Jacket Material:	Special compound Polyurethane based (UL 758 & UL 1581)
Cable Jacket Color:	see variants table
Cable Diameter D:	Nom. 6.3 mm
Wire Insulation Material:	Polyolefin
Insulated Wire Diameter:	1.08 mm
Flammability Class (Cable Jacket):	IEC 603321-2, FT2, IEC 603323A
Min No. of Drag Chain Cycles:	5 million(18*OD, 1m, 20 cycles/min)
Core Colors:	1. Blue& Blue/White, 2. Orange& Orange/White, 3. Green& Green/White, 4. Brown& Brown/White

#### Technical Data Side 2

Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Number of Pins, Side 2:	8
Coding, Side 2:	RJ45
Mating Cycles, Side 2:	7 5 0
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 85 °C
Protection Degree / IP Rating, Side 2**:	IP20
Housing Material, Side 2:	PC - Polycarbonate, UL 94V-2 rated
Attachment Plating, Side 2:	Gold plating in contact area
Shielding Material, Side 2:	Copper Alloy

#### Safety & Environmental Compliance

RoHS Compliant:	Yes
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#### Resistances

Oil Resistance:	Yes
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Notes

Protection Degree / IP Rating Note:	only if mounted and locked in combination with Hirschmann / Lumberg Automation connector
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History

Update and Revision:	Revision Number: 0.15 Revision Date: 05-25-2025
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Variants

Item #	Cable Length	Color
E7XSJSE6011050050	0.5 m	Green
E7XSJSE6011060050	0.5 m	Blue
E7XSJSE6011000050	0.5 m	Black
E7XSJSE6011050500	5 m	Green
E7XSJSE6011060500	5 m	Blue
E7XSJSE6011000500	5 m	Black
E7XSJSE6011056000	60 m	Green
E7XSJSE6011066000	60 m	Blue
E7XSJSE6011006000	60 m	Black

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