



**Product:** [0985 478 800](#)

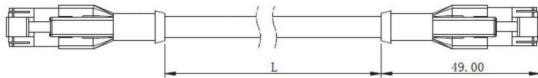
Industrial Ethernet/Profinet CAT6A, Double-Ended Cordset, male straight black RJ45 to male straight black RJ45, shielded, PUR black cable, 8-wires, 26AWG

## Product Description

Industrial Ethernet/Profinet CAT6A, Double-Ended Cordset, male straight black RJ45 to male straight black RJ45, shielded, PUR black cable, 8-wires, 26AWG

## Technical Drawing

Technical Drawing



Technical Specifications



12345678

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



12345678

## Technical Specifications

### Product Description

Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Data Transmission:	Up to 10GBase-T, Cat6A

### Technical Data Side 1

Product Sub Family:	RJ45
Connector Design:	Straight
Number of Pins:	8
Coding:	RJ45
Ambient Temperature (Operation)*:	- 20 °C + 70 °C
Protection Degree / IP Rating**:	IP20
Housing Material:	PC - Polycarbonate, UL 94V-0 rated
Attachment Plating:	Gold Plating in contact area
Shielding Material:	Copper Alloy
Note:	* explanation at the end: Depending on horizontal length and acceleration

### Cable Data

Cable Number:	478
Conductor Size:	26 AWG
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D

Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 0.2 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	Black
Cable Diameter D:	ø 6.80 ± 0.30 mm
Wire Insulation Material:	Foamed PE
Insulated Wire Diameter:	ø 1.05 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	Al-PT Foil
Ambient Temperature (Fixed Installation):	- 40 °C + 80 °C
Ambient Temperature (Flex Installation):	0 °C + 50 °C
UL Cable Type:	AWM 21327
Core Colors:	1. White & Blue 2. White & Orange 3. White & Green 4. White & Brown

Technical Data Side 2

Product Sub Family, Side 2:	RJ45
Connector Design, Side 2:	Straight
Number of Pins, Side 2:	8
Coding, Side 2:	RJ45
Ambient Temperature (Operation), Side 2*:	- 20 °C + 70 °C
Protection Degree / IP Rating, Side 2**:	IP20
Housing Material, Side 2:	PC - Polycarbonate, UL 94V-0 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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Notes

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice Derating

History

Update and Revision:	Revision Number: 0.10 Revision Date: 07-13-2023
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