

Product: [E5MSJSP6006](#) 



EtherNet/IP Cat5e Data Double-Ended Cordset: Male straight black RJ45 to male straight D-coded black M12 Standard, shielded, PVC green cable, 4-wires.

Product Description

Profinet Cat5e Data Double-Ended Cordset : Male straight black RJ45 to male straight D-coded black M12 Standard, shielded, PVC green cable, 4-wires.

Technical Specifications

Product Description

Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Voltage Rating:	300 V
Data Transmission Type:	Fast Ethernet Cat5e
Data Transmission Rate:	100Mbit/s

Technical Data Side 1

Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding, Side 1:	D
Side 1 Contact Resistance:	10 mOhm
Insulation Resistance:	10 ⁹ Ohm
Mating Cycles:	100
Ambient Temperature (Operation)*:	- 40 °C to + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Side 1 Design Standard:	IEC 61076-2-101
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PUR
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	PUR
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
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:	4C Cat5e SF/UTP PE/OBS/PVC CABLE
Number of Wires:	4
Minimal Bending Radius (Flexible Inst):	10 x D

Cable- resistances:	57.1 Ohm/km
ISO/IEC Compliance:	ISO/IEC 11801
Conductor Material:	Stranded Tinned Copper
Cable Jacket Material:	PVC
Cable Jacket Color:	Green RAL 6018
Cable Diameter D:	6.4 mm
Wire Insulation Material:	Polyolefin
Insulated Wire Diameter:	1.45 mm
Ambient Temperature (Fixed Installation):	- 40 °C to + 80 °C
Flammability Class (Cable Jacket):	FT2/IEC 603321
Min No. of Drag Chain Cycles:	1 million
Core Colors:	1. White, 2. Yellow, 3. Blue, 4. Orange

Technical Data Side 2

Side 2 Type of Contact/Gender:	Male
Connector Design, Side 2:	Straight
Number of Pins, Side 2:	4
Coding, Side 2:	RJ45
Ambient Temperature (Operation), Side 2*:	- 20 °C to + 75 °C
Protection Degree / IP Rating, Side 2**:	IP20
Housing Material, Side 2:	Copper alloy 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
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History

Update and Revision:	Revision Number: 0.7 Revision Date: 11-21-2022
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