lumbergautomation
A BELDEN BRAND

Product: E5MSJSE6025

ETHERNET/IP Cat5e 100 Mbps Fast Ethernet Double-Ended Cordset: Male straight D-coded black M12 standard to male straight black RJ45, shielded, PUR teal cable, 4-wires.

Product Description

ETHERNET/IP Cat5e 100 Mbps Fast Ethernet Double-Ended Cordset: Male straight D-coded black M12 standard to male straight black RJ45, shielded, PUR teal cable, 4-wires.

Technical Specifications

Product Description

Product Family:	EtherNet / IP Double-ended Cordset
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	30 V AC / 42 V DC
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100Mbit/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:	4
Coding:	D
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °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)
Contact Base Material:	CuSn
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:	2P Cat5e SF/UTP PE/PVC/PUR CABLE
Number of Wires:	4
Conductor material:	Stranded Bare Copper
Cable Jacket Material:	Special compound Polyurethane based (UL 758 & UL 1581)
Cable Jacket Color:	Teal similarly RAL5021
Cable Diameter D:	6.3 mm
Wire Insulation Material:	Polyolefin
Insulated Wire Diameter:	1.15 mm
Ambient Temperature (Fixed Installation):	25°C to +80°C
UL Cable Type:	AWM Style 22260
Flammability Class (Cable Jacket):	FT2/IEC 603321
Min No. of Drag Chain Cycles:	2 million
Cable Characteristics:	Min. 2 million cycles

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
Ambient Temperature (Operation), Side 2*:	- 20 °C - + 75 °C
Protection Degree / IP Rating, Side 2**:	IP20
Housing Material, Side 2:	Copper alloy PC - Polycarbonate, UL 94V-2 rated
Attachment Plating, Side 2:	Gold plating in contact area

Safety & Environmental Compliance

RoHS Compliant:	Yes

Notes

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

History

Update and Revision:	Revision Number: 0.46 Revision Date: 06-29-2023

Variants

Item #	Item Description	Cable Length
E5MSJSE60250100	EIP 100Mbps M12-RJ45 2P24 1m	1 m
E5MSJSE60250500	EIP 100Mbps M12-RJ45 2P24 5m	5 m
E5MSJSE60251000	EIP 100Mbps M12-RJ45 2P24 10m	10 m

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