

**Product:** [0985 S4742 500](#) 

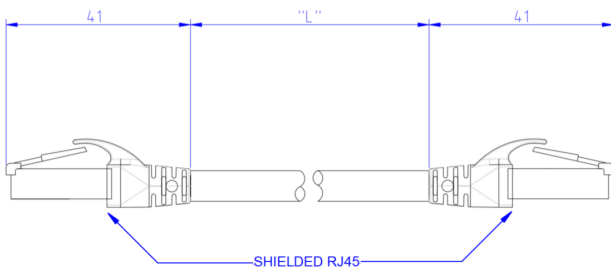


Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight RJ45 coded-black to male straight RJ45-coded, shielded, 30 V AC / 42 V DC, 1.5 A; TPE green cable, 4-wires, 0.38 mm<sup>2</sup>

### Product Description

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight RJ45 coded-black to male straight RJ45-coded, shielded, 30 V AC / 42 V DC, 1.5 A; TPE green cable, 4-wires, 0.38 mm<sup>2</sup>

### Technical Drawing



### Technical Specifications

#### Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Shielded
Voltage Rating:	42 V
Rated Impulse Voltage:	1.5 kV
Current Rating:	1.5 A
Data Transmission Type:	Fast Ethernet Cat 5e
Data Transmission Rate:	100 Mbit/s

#### Technical Data Side 1

Side 1 Product Sub Family:	RJ45
Side 1 Type of Contact/Gender:	Male
Connector Design:	Striaight
Attachment Type:	Plug
Number of Pins:	8 (4 terminated)
Coding, Side 1:	RJ45
Mating Cycles:	≤ 750
Ambient Temperature (Operation)*:	- 40 °C - + 70 °C
Protection Degree / IP Rating**:	IP20
Contact Base Material:	P / CuSn
Side 1 Contact Plating:	Au
Contact Bearer Material:	Polycarbonate
Contact Bearer Color:	Clear

Molded Body Material:	Elastomer Polyolefin
Molded Body Color:	Black

## Cable Data

Cable Number:	542
Conductor Size:	0.38 mm <sup>2</sup>
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 30 mm
Minimal Bending Radius (Flexible Inst):	> 60 mm
Cycles (Bending):	> 5 M
Conductor Material:	Cu
Cable Jacket Material:	TPE
Cable Jacket Color:	green matt similarly RAL 6018
Cable Diameter D:	ø 6.50 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.50 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	Al-PT Foil
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
Flammability Class (Cable Jacket):	CM (UL 1685)
Cable Characteristics:	Exclusion of dangerous materials; Sunlight resistance: UL 1581 sec. 1200
Core Colors:	white, blue, yellow, orange

## Technical Data Side 2

Side 2 Product Sub Family:	RJ45
Side 2 Type of Contact/Gender:	Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Plug
Number of Pins, Side 2:	8 (4 terminated)
Coding, Side 2:	RJ45
Mating Cycles, Side 2:	≤ 750
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 70 °C
Contact Base Material, Side 2:	P /CuSN
Contact Bearer Material, Side 2:	Polycarbonate
Contact Bearer Color, Side 2:	Clear
Molded Body Material, Side 2:	Elastomer Polyolefin
Molded Body Color, Side 2:	Black

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Oil Resistance:	UL OIL RES I
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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: 0.20 Revision Date: 04-24-2026
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