



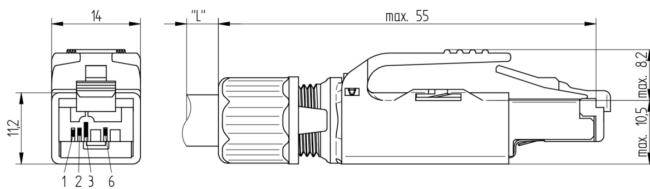
Product: [0985 S4742 501](#)

Fast Ethernet Cat5e Data Single-Ended Cordset: RJ45 Field Attachable, male, straight, 4-pin, RJ45-coded, shielded, black housing, 30 V AC / 42 V DC, 1.5 A; TPE green cable, 4-wires, 0.38 mm²

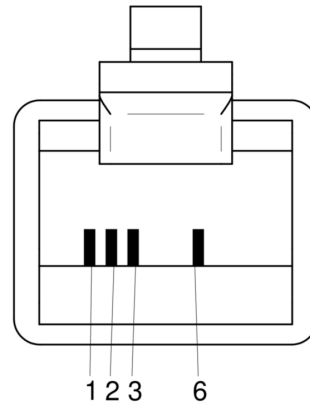
Product Description

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Technical Drawing



Male



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
yellow	orange	white	blue

Technical Data

Product Family:	Data Connectors
Product Sub Family:	RJ45 Field Attachable
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	4
Coding:	RJ45
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1 kV
Operating Voltage:	30 V AC / 42 V DC
Rated Current*:	1.5 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s
Contact Resistance:	≤ 20 mOhm

Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 750
Ambient Temperature (Operation)*:	- 40 °C - + 70 °C
Protection Degree / IP Rating**:	IP20
Design Standard:	IEC 60603-7
Overtoltage Category:	I acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Housing Material:	PA
Housing Color:	Black
Flammability Class (Housing):	UL 94 V-0
Shielding Material:	Copper, nickel-plated

Cable Data

Cable Number:	542
Conductor Size:	0.38 mm ²
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

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Oil Resistance:	UL OIL RES I
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Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
6965	0985 S4742 501/0,5 M	0.5 m
6968	0985 S4742 501/3 M	3 m

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