



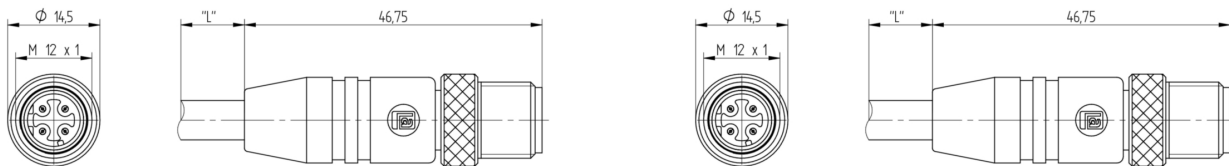
**Product:** [0985 S4742 100](#)

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight D-coded black M12 Standard to male straight D-coded black M12 Standard, shielded, 50 V AC / 60 V DC, 4 A; TPE green cable, 4-wires, 0.38 mm<sup>2</sup>

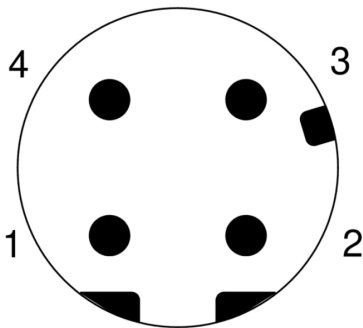
**Product Description**

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight D-coded black M12 Standard to male straight D-coded black M12 Standard, shielded, 50 V AC / 60 V DC, 4 A; TPE green cable, 4-wires, 0.38 mm<sup>2</sup>

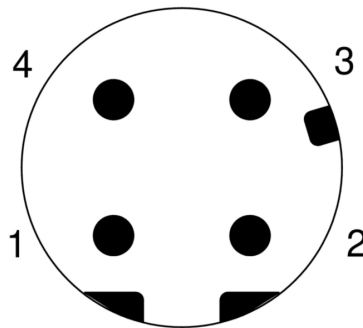
**Technical Drawing**



Male



Male



**Technical Specifications**

Face View Side 1

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

Face View Side 2

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

## Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/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 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
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
Note:	Do not connect or disconnect under load.

## 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

Product Sub Family, Side 2:	M12 Standard
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Screw
Number of Pins, Side 2:	4
Coding, Side 2:	D
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69K
Design Standard, Side 2:	IEC 61076-2-101
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PBT
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
Shielding Material, Side 2:	CuZn, tin-plated
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

## 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

## Variants

Item #	Item Description	Cable Length
8400	0985 S4742 100/0,3 M	0.3 m
4947	0985 S4742 100/0,5 M	0.5 m
3358	0985 S4742 100/0,6 M	0.6 m
3359	0985 S4742 100/1 M	1 m
8009	0985 S4742 100/1,5 M	1.5 m
3360	0985 S4742 100/2 M	2 m
4622	0985 S4742 100/3 M	3 m
3361	0985 S4742 100/4 M	4 m
2051	0985 S4742 100/5 M	5 m
5902	0985 S4742 100/6 M	6 m
5903	0985 S4742 100/7 M	7 m
5904	0985 S4742 100/8 M	8 m

2052	0985 S4742 100/10 M	10 m
8553	0985 S4742 100/12 M	12 m
15275	0985 S4742 100/14 M	14 m
2059	0985 S4742 100/15 M	15 m
15272	0985 S4742 100/18 M	18 m
2060	0985 S4742 100/20 M	20 m
20626	0985 S4742 100/23 M	23 m
2061	0985 S4742 100/25 M	25 m
5412	0985 S4742 100/30 M	30 m
6953	0985 S4742 100/35 M	35 m
2065	0985 S4742 100/40 M	40 m
15539	0985 S4742 100/45 M	45 m
2066	0985 S4742 100/50 M	50 m
9670	0985 S4742 100/60 M	60 m
12685	0985 S4742 100/70 M	70 m
15612	0985 S4742 100/75 M	75 m
12686	0985 S4742 100/80 M	80 m
12687	0985 S4742 100/90 M	90 m

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