



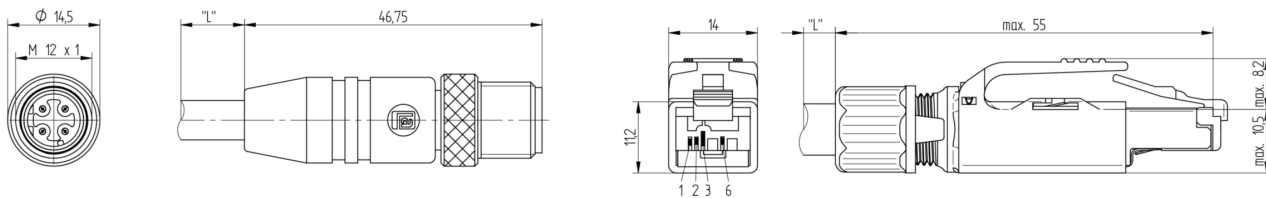
**Product:** [0985 S4742 104](#)

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight D-coded black M12 Standard to male straight RJ45-coded black RJ45 Field Attachable, shielded, 30 V AC / 42 V DC, 1.5 A; TPE green cable, 4-wires, 0.38 mm<sup>2</sup>

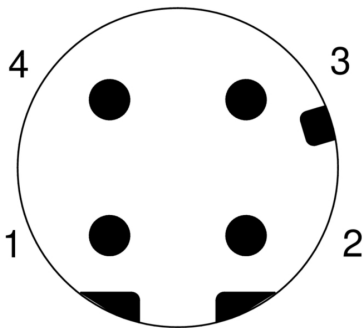
**Product Description**

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight D-coded black M12 Standard to male straight RJ45-coded black RJ45 Field Attachable, shielded, 30 V AC / 42 V DC, 1.5 A; TPE green cable, 4-wires, 0.38 mm<sup>2</sup>

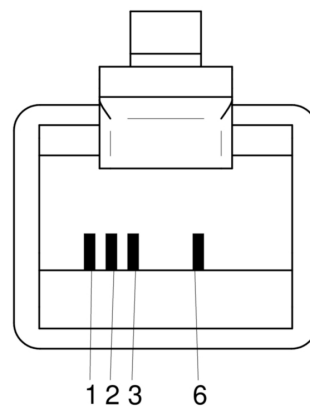
**Technical Drawing**



**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	orange	white	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 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

## 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:	I 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:	RJ45 Field Attachable
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Number of Pins, Side 2:	4
Coding, Side 2:	RJ45
Contact Resistance, Side 2:	≤ 20 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Mating Cycles, Side 2:	≤ 750
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 70 °C
Protection Degree / IP Rating, Side 2**:	IP20
Design Standard, Side 2:	IEC 60603-7
Overvoltage Category, Side 2:	I 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:	PA
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0
Housing Material, Side 2:	PA
Housing Color, Side 2:	Black
Flammability Class (Housing), Side 2:	UL 94 V-0
Shielding Material, Side 2:	Copper, nickel-plated

## 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: 0.51 Revision Date: 01-19-2023
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## Variants

Item #	Item Description	Cable Length
2094	0985 S4742 104/0,5 M	0.5 m
2095	0985 S4742 104/1 M	1 m
2096	0985 S4742 104/1,5 M	1.5 m
2097	0985 S4742 104/2 M	2 m
2098	0985 S4742 104/3 M	3 m
5924	0985 S4742 104/4 M	4 m
2099	0985 S4742 104/5 M	5 m
5925	0985 S4742 104/6 M	6 m
2100	0985 S4742 104/8 M	8 m
3951	0985 S4742 104/9 M	9 m
2102	0985 S4742 104/10 M	10 m
3952	0985 S4742 104/12 M	12 m
2103	0985 S4742 104/15 M	15 m
15613	0985 S4742 104/18 M	18 m

2104	0985 S4742 104/20 M	20 m
2105	0985 S4742 104/25 M	25 m
2106	0985 S4742 104/30 M	30 m
2107	0985 S4742 104/35 M	35 m
2108	0985 S4742 104/40 M	40 m
2109	0985 S4742 104/45 M	45 m
2111	0985 S4742 104/50 M	50 m
19739	0985 S4742 104/55 M	55 m
9230	0985 S4742 104/60 M	60 m
19740	0985 S4742 104/65 M	65 m
9231	0985 S4742 104/70 M	70 m
15615	0985 S4742 104/75 M	75 m
12688	0985 S4742 104/80 M	80 m
12689	0985 S4742 104/90 M	90 m

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