lumbergautomation
A BELDEN BRAND

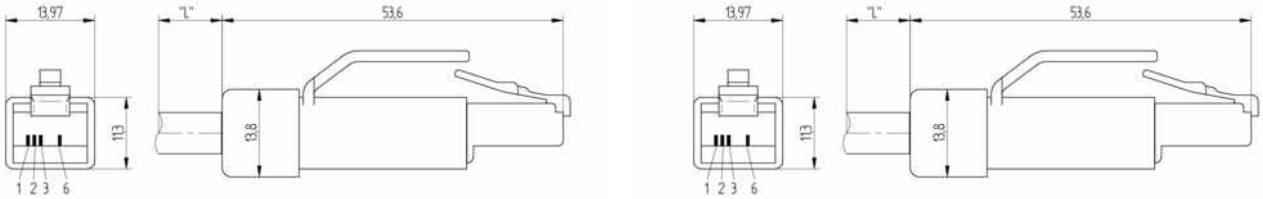
Product: 0985 S4742 502

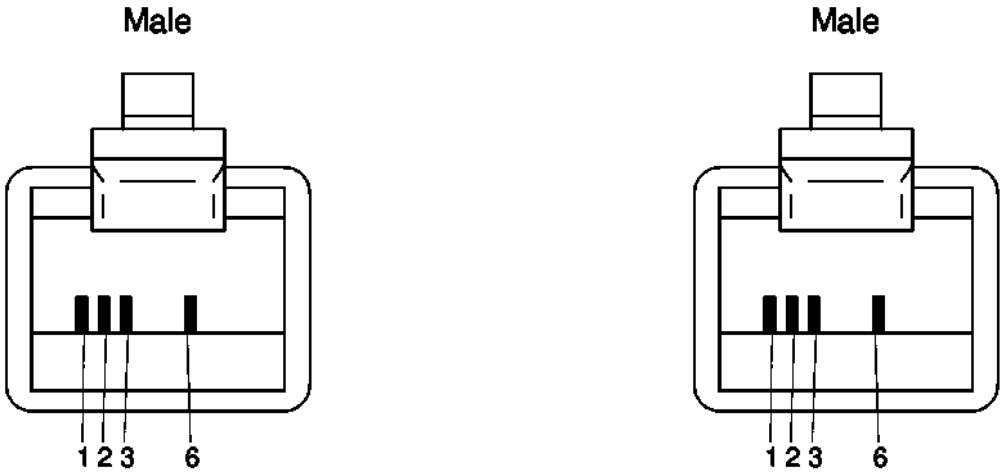
Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight RJ45-coded black RJ45 Field Attachable to male straight RJ45-coded black RJ45 Field Attachable, shielded, 30 V AC / 42 V DC, 1.5 A; TPE green cable, 4-wires, 0.38 mm²

Product Description

Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight RJ45-coded black RJ45 Field Attachable 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 mm²

Technical Drawing





Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4
yellow	orange	white	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:	RJ45 Field Attachable
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	4
Coding:	RJ45
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
Overvoltage Category:	I acc. to DIN EN 60664-1 (VDE 0110-1)
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
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	542
Conductor Size:	0.38 mm²
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:	> 10^9 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

Resistances

Oil Resistance:	UL OIL RES I

Notes

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

Variants

Item #	Item Description	Cable Length
2121	0985 S4742 502/0,5 M	0.5 M
2123	0985 S4742 502/1 M	1 M
8833	0985 S4742 502/1,5 M	1.5 M
2126	0985 S4742 502/2 M	2 M
2127	0985 S4742 502/3 M	3 M
2128	0985 S4742 502/5 M	5 M
2130	0985 S4742 502/8 M	8 M
2131	0985 S4742 502/10 M	10 M
2132	0985 S4742 502/15 M	15 M
2133	0985 S4742 502/20 M	20 M
5413	0985 S4742 502/25 M	25 M
2134	0985 S4742 502/30 M	30 M
2136	0985 S4742 502/35 M	35 M
9249	0985 S4742 502/40 M	40 M
2137	0985 S4742 502/45 M	45 M
2138	0985 S4742 502/50 M	50 M
21102	0985 S4742 502/55 M	55 M
2139	0985 S4742 502/60 M	60 M
2140	0985 S4742 502/70 M	70 M
12684	0985 S4742 502/80 M	80 M

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