



Product: [RJ45 G-RJ45 G-S478](#) 

Gigabit Ethernet Cat7 Data Double-Ended Cordset: Male straight RJ45 to male straight RJ45, shielded, 50 V AC / 60 V DC, 0.5 A; X-TPE BLUE cable, 8-wires, 4x2x0.14 mm²

Product Description

Gigabit Ethernet Cat7 Data Double-Ended Cordset: Female straight wall mounting X-coded black M12 to male straight RJ45, shielded, 50 V AC / 60 V DC, 0.5 A; X-TPE green cable, 8-wires, 4x2x0.14 mm²

Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white	orange	white	green	white	brown	white	blue

Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white	orange	white	blue	white	green	white	brown

Product Description

Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	0.8 kV
Rated Current*:	0.5 A
Data Transmission:	Gigabit Ethernet Cat7
Data Transmission Rate:	10 Gbit/s

Technical Data Side 1

Product Sub Family:	RJ45
Connector Design:	Straight
Attachment Type:	RJ45
Number of Pins:	8
Coding:	RJ45
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 80 °C
Protection Degree / IP Rating**:	IP20
Design Standard:	IEC 61076-2-109
Pollution Degree:	5 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSnP
Contact Plating:	AuNi
Contact Bearer Material:	PC
Contact Bearer Color:	Clear
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU

Molded Body Color:	Black
Attachment Material:	PC
Attachment Plating:	Nickel-plated
Shielding Material:	GD-Zn, nickel-plated

Cable Data

Cable Number:	S478
Conductor Size:	0.14 mm ²
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 30 mm
Minimal Bending Radius (Flexible Inst):	> 65 mm
Conductor material:	Cu
Cable Jacket Material:	TPE
Cable Jacket Color:	blue
Cable Diameter D:	ø 6.80 ± 0.30 mm
Insulated Wire Diameter:	ø 1.05 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Ambient Temperature (Fixed Installation):	- 40 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 40 °C - + 80 °C
Flammability Class (Cable Jacket):	IEC 60332-1-2
Core Colors:	white & blue, white & orange, white & green, white & brown

Technical Data Side 2

Product Sub Family, Side 2:	RJ45
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	RJ45
Number of Pins, Side 2:	8
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 - + 80 °C
Protection Degree / IP Rating, Side 2**:	IP20
Design Standard, Side 2:	IEC 60603-7
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	I acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSnP
Contact Plating, Side 2:	AuNi
Contact Bearer Material, Side 2:	PC
Contact Bearer Color, Side 2:	Clear
Molded Body Material, Side 2:	TPE
Molded Body Color, Side 2:	Black
Attachment Material, Side 2:	PC
Attachment Plating, Side 2:	Nickel-plated
Shielding Material, Side 2:	CuZn, tin-plated

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Rail:	No
Oil Resistance:	IEC 60811-2-1

Notes

Note Derating:	Notice derating
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History

Update and Revision:	Revision Number: 0.7 Revision Date: 01-14-2025
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Variants

Item #	Item Description
900015973	RJ45 G-RJ45 G-S478/0.3M
900015974	RJ45 G-RJ45 G-S478/0.5M
900015975	RJ45 G-RJ45 G-S478/1M
900015976	RJ45 G-RJ45 G-S478/2M
900015977	RJ45 G-RJ45 G-S478/3M
900015978	RJ45 G-RJ45 G-S478/5M
900015979	RJ45 G-RJ45 G-S478/7M
900015980	RJ45 G-RJ45 G-S478/10M
900015981	RJ45 G-RJ45 G-S478/12M
900015982	RJ45 G-RJ45 G-S478/15M
900015983	RJ45 G-RJ45 G-S478/20M
900015984	RJ45 G-RJ45 G-S478/30M
900016149	RJ45 G-RJ45 G-S478/4M

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