Product: RSTS 8X-669 ↗
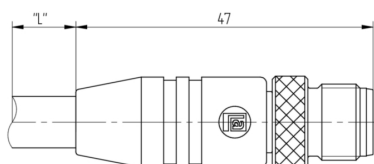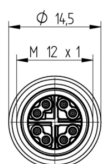
Gigabit Ethernet Cat6 Data Single-Ended Cordset: M12 Standard, male, straight, 8-pin, X-coded, shielded, black body, 50 V AC / 60 V DC, 0.5 A; PUR green cable, 8-wires, 4x2x0.14 mm²
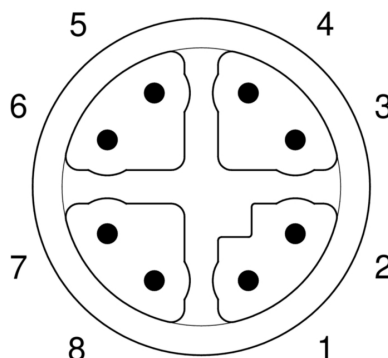
Product Description

Gigabit Ethernet Cat6 Data Single-Ended Cordset: M12 Standard, male, straight, 8-pin, X-coded, shielded, black body, 50 V AC / 60 V DC, 0.5 A; PUR green cable, 8-wires, 4x2x0.14 mm²

Technical Drawing

Male

Technical Specifications

Face View

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

Technical Data

Product Family:	Data Connectors
Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	8
Coding:	X
Shielding:	Shielded
Attachment Type:	Coupling Screw
Rated Voltage:	60 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	0.5 A
Data Transmission:	Gigabit Ethernet Cat6
Data Transmission Rate:	10 Gbit/s

Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 80 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-109
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	PA
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 V-0
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	GD-Zn, nickel-plated

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	669
Conductor Size:	4x2x0.14 mm²
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 8 x D
Minimal Bending Radius (Flexible Inst):	> 15 x D
Cycles (Bending):	> 1 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	green matt similarly RAL 6018
Cable Diameter D:	ø 7.9 ± 0.3 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 1.04 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Ambient Temperature (Fixed Installation):	- 40 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 10 °C - + 70 °C
UL Cable Type:	cURus acc. With Type CMX 75 °C
Flammability Class (Cable Jacket):	VW-1 acc. to UL 1581 section 1080, single cable fire test acc. to IEC 60332-1-2; non fire propagating
Cable Characteristics:	Exclusion of dangerous materials
Core Colors:	Twisted pairs: white & blue, white & orange, white & green, white & brown

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	yes

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
934809017	RSTS 8X-669/2 M	2 m
934809018	RSTS 8X-669/5 M	5 m
934809019	RSTS 8X-669/10 M	10 m
934809020	RSTS 8X-669/15 M	15 m

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934809017	RSTS 8X-669/2 M	2 m
934809018	RSTS 8X-669/5 M	5 m
934809019	RSTS 8X-669/10 M	10 m
934809020	RSTS 8X-669/15 M	15 m