

**Product:** [RSMGVS-4D-RSMWVS-4D-0467](#) 

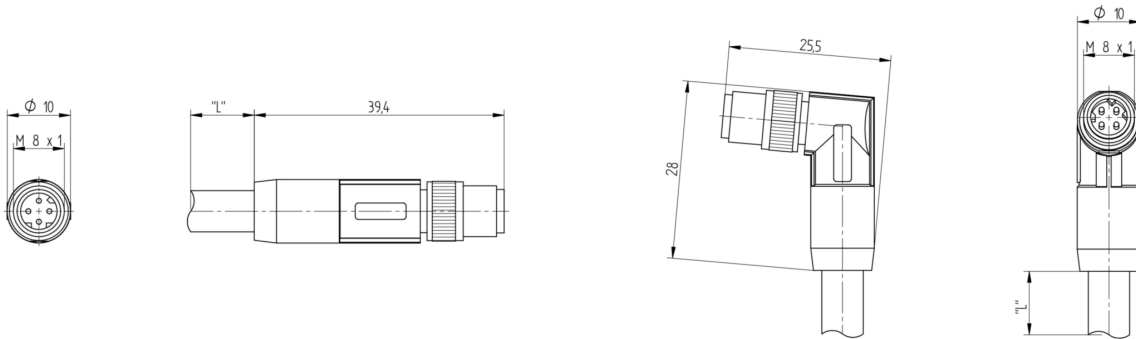


M8 cordset, PROFINET (Fast Ethernet 100 Mbit/s), Cat 5e, shielded, male, 4 poles, D coded, straight-angled, PUR green cable, AWM 20549, 48 V AC / 60 V DC, 4 A / 0.5 A UL rated, IP65, IP67

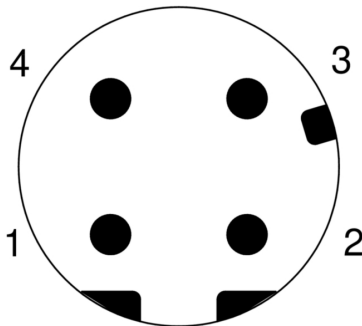
**Product Description**

M8 double ended cordset for PROFINET applications, Fast Ethernet Cat 5e up to 100 Mbit/s, shielded, 4 pole, D coded, male to male, straight to angled, PUR green cable, AWM 20549,  $\varnothing$  6.5  $\pm$ 0.20 mm, conductor size 2x2x0.34 mm<sup>2</sup>, 48 V AC / 60 V DC operating voltage, rated current 4 A, suited for IP65 and IP67 environment

**Technical Drawing**



**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

## Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Voltage (UL):	30 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	48 V AC / 60 V DC
Rated Current*:	4 A
Rated Current (UL)*:	0.5 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s

## Technical Data Side 1

Product Sub Family:	M8 4D
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>8</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 25 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-114
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:	PA
Contact Bearer Color:	Black
Molded Body Material:	TPU
Molded Body Color:	Black
Housing Material:	TPU
Housing Color:	Black
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Fastening Torque (Attachment):	M 8x1: 20 Ncm, hand-tight
Note:	Do not connect or disconnect under load.

## Cable Data

Cable Number:	467
Conductor Size:	2x2x0.34 mm <sup>2</sup>
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	5 x D
Minimal Bending Radius (Flexible Inst):	10 x D
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	green
Cable Diameter D:	ø 6.5 ±0.20 mm
Wire Insulation Material:	PE
Insulated Wire Diameter:	ø 1,63 ±0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned

Foil shield:	AL-PETP
Ambient Temperature (Fixed Installation):	- 25 °C - + 90 °C
Ambient Temperature (Flex Installation):	-25 °C - +60 °C
Ambient Temperature (Drag Chain Inst):	- 5 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	FT-2
Cable Characteristics:	Exclusion of dangerous materials
Core Colors:	quad: white & blue & yellow & orange

## Technical Data Side 2

Product Sub Family, Side 2:	M8 4D
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Angled
Attachment Type, Side 2:	Coupling Screw
Number of Pins, Side 2:	4
Contact Resistance, Side 2:	10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>8</sup> Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 25 °C - + 90 °C
Operating Temperature (UL), Side 2:	max. + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-114
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
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Black
Housing Material, Side 2:	TPU
Housing Color, Side 2:	Black
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
Fastening Torque (Attachment), Side 2:	M 8x1: 20 Ncm, hand-tight

## Approvals

UL-File:	E469096
UL:	UL 1863; cULus

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Halogenfree:	IEC 60754-1
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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: 0.25 Revision Date: 04-30-2024
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## Variants

Item #	Item Description	Cable Length
935036001	RSMGVS-4D-RSMWVS-4D-0467/01 M	1 m
935036002	RSMGVS-4D-RSMWVS-4D-0467/02 M	2 m
935036003	RSMGVS-4D-RSMWVS-4D-0467/05 M	5 m
935036004	RSMGVS-4D-RSMWVS-4D-0467/10 M	10 m

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