



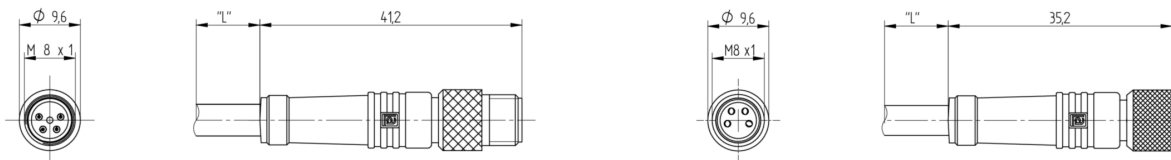
Product: [RSMV 4-RKMV 4-646](#)

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M8 Standard connector to female straight A-coded translucent 4-pin M8 Standard connector, 30 V AC/DC, 4 A; PVC grey cable, 4-wires, 22 AWG

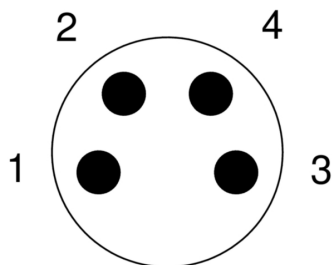
Product Description

Sensor/Actuator Double-Ended Cordset: Male straight A-coded translucent 4-pin M8 Standard connector to female straight A-coded translucent 4-pin M8 Standard connector, 30 V AC/DC, 4 A; PVC grey cable, 4-wires, 22 AWG

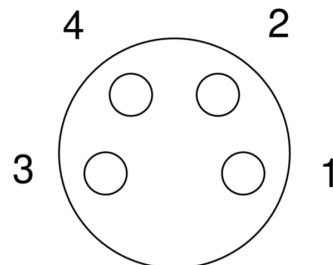
Technical Drawing



Male



Female



Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4
brown	white	blue	black

Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 4
brown	white	blue	black

Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current*:	4 A

Technical Data Side 1

Product Sub Family:	M8 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding:	A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-104
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:	TPU
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	646
Conductor Size:	22 AWG
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 M
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	grey
Cable Diameter D:	Ø 5.10 mm
Wire Insulation Material:	PVC-SR
Insulated Wire Diameter:	Ø 1.25 mm
Ambient Temperature (Fixed Installation):	- 40 °C to 105 °C
Ambient Temperature (Flex Installation):	- 15 °C to 105 °C
Ambient Temperature (Drag Chain Inst):	- 15 °C to 105 °C
UL Cable Type:	AWM 2661, C(RU) AWM I/II A/B
Flammability Class (Cable Jacket):	UL VW-1, FT1

Cable Characteristics:	Free of lacquer wetting disturbing substances; Exclusion of silicone
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Technical Data Side 2

Product Sub Family, Side 2:	M8 Standard
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	4
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-104
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
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Orange
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 8x1: 30 Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Oil Resistance:	Good chemical and oil resistance
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Notes

Protection Degree / IP Rating Note:	Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product
Note Derating:	Notice derating

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