lumbergautomation
A BELDEN BRAND

Product: RKMV 4-1006

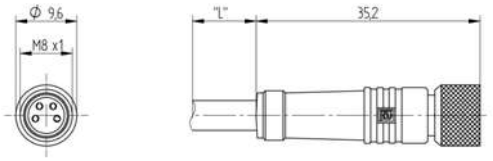


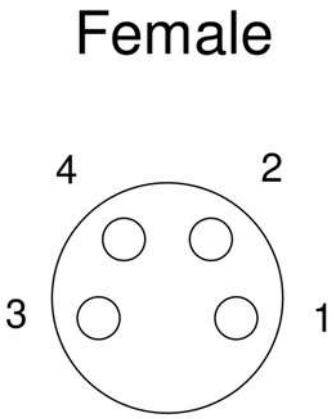
M8 pigtail, Automotive Line, female, 4-pin, A-coded, straight, PUR orange cable, unshielded, IP67

Product Description

M8 pigtail connector, Automation Line, high welding spark resistance, female, 4-pin, A-coded, straight, PUR orange cable (similar to RAL 2003), unshielded, AWM 20549, rated voltage 30 V AC/DC, rated current 4A, suited for IP67 environment

Technical Drawing





Technical Specifications

Face View

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

Technical Data

Product Family:	Sensor / Actuator Connector
Product Sub Family:	Automotive
Brand:	Belden
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP67
Design Standard:	IEC 61076-2-101

Materials

Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn

Additional Technical Data

Fastening Torque (Attachment):	M 8x1: 30 Ncm, hand-tight

Cable Data

Cable Number:	1006
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	5 x D
Minimal Bending Radius (Flexible Inst):	10 x D
Cycles (Bending):	2 Mio.
Welding Resistance:	Welding spark resistant
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	orange (similar to RAL 2003)
Cable Diameter D:	ø 5.30 ± 0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.25 ±0.05 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT2
Cable Characteristics:	flame retardant, halogen-free, drag chains

Approvals

UL:	cULus

Safety & Environmental Compliance

RoHS Compliant:	Yes

Resistances

Halogenfree:	Yes, acc. to IEC 60754-1

Notes

Note Derating:	Notice derating

Variants

Item #	Item Description
35075	RKMV 4-1006/10 M
35074	RKMV 4-1006/5 M
35073	RKMV 4-1006/4,5 M
35072	RKMV 4-1006/4 M
35071	RKMV 4-1006/3,5 M
35030	RKMV 4-1006/3 M
35029	RKMV 4-1006/2,5 M
35028	RKMV 4-1006/2 M
35027	RKMV 4-1006/1,5 M
35026	RKMV 4-1006/1 M
35025	RKMV 4-1006/0,6 M
35024	RKMV 4-1006/0,3 M

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