M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-101 E for Robotic Applications
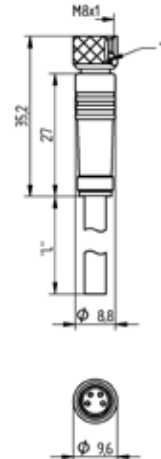
RKMV | RKMWV

4-Poles

Actuator/sensor cordset, single-ended, M8, 4-poles female straight connector with self-locking threaded joint and molded cable.

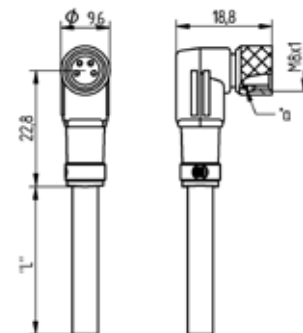— especially designed for use in Robotic applications —

RKMV

M8x1

35.2

27

1"

Ø 8.8

Ø 9.6

Actuator/sensor cordset, single-ended, M8, 4-poles female 90° connector with self-locking threaded joint and molded cable.

— especially designed for use in Robotic applications —

RKMWV

Ø 9.6

18.8
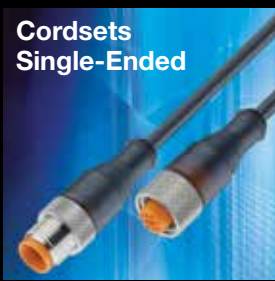
M8x1

22.8

1"

Pin Assignments

M8

4 poles

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

Be Certain with Belden

M8-Round-Plug Connector, Single-Ended Cordsets, According to IEC 61976-2-101-E for Robotic Applications RKMV 4 | RKMWV 4

Technical Data

Environmental

Degree of protection (IEC 60529)*	IP67, IP68 (15m / 48h & 100m / 2h)
Operating temperature range	-40°C to +85°C

Mechanical

Housing / Molded body	TPU - translucent
Insert (contact bearer)	TPU, orange
Contact	CuZn
Contact surface	Cu/Au
Coupling screw	CuZn, nickel-plated
O-ring	FKM

Electrical data

Rated voltage	30 V AC/DC
Rated current*	4 A

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Jacket Color	OD
500	PUR	22 AWG stranded	black	5.10 mm nominal

Part Number		Pins	Outer Jacket	Standard Cable Lengths	Characteristics
Male Straight	**Male 90°**				
RKMV 4-500/...M	RKMWV 4-500/...M	**4**	PUR	2 M / 5 M / 10 M / 15 M / 20 M	

Mouser Electronics

Authorized Distributor

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[Lumberg Automation](#):
  RKMV 4-500/10 M   RKMV 4-500/15 M   RKMV 4-500/2 M   RKMV 4-500/20 M   RKMV 4-500/5 M