



**Product:** [RS 50-RKT 5L-949](#) 

7/8" to M12, Power Double-Ended Cordset: Male straight to female straight, 5-pin, Black body, 50 V AC/60 V DC, 9 A; PUR grey cable, 1.50 mm<sup>2</sup> (16 AWG)

## Product Description

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## Technical Specifications

### Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	63 V
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	9 A

### Technical Data Side 1

Side 1 Product Sub Family:	7/8"
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling nut
Number of Pins:	5
Side 1 Contact Resistance:	≤ 5 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Ambient Temperature (Operation)*:	-40 °C to +90 °C
Protection Degree / IP Rating**:	IP68 (2h at 10 bar)
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuZn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Grey
Molded Body Material:	TPU
Molded Body Color:	Black
Attachment Material:	PA, black

### Cable Data

Cable Number:	949
Conductor Size:	1.50 mm <sup>2</sup>
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Cycles (Bending):	> 10 M
Conductor Material:	Cu
Cable Jacket Material:	PUR

Cable Jacket Color:	grey (RAL 7032)
Cable Diameter D:	ø 8.0 ±0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 2.35 mm
Ambient Temperature (Fixed Installation):	-40 °C to +90 °C (UL AWM 80°C)
Ambient Temperature (Flex Installation):	-30 °C to +90 °C (UL AWM 80°C)
Ambient Temperature (Fixed Installation short-term 100h):	-40 °C to +125 °C
Ambient Temperature (Drag Chain Inst):	-20 °C to +60 °C
UL Cable Type:	AWM: 20939
Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1

## Technical Data Side 2

Side 2 Product Sub Family:	M12 Power
Side 2 Type of Contact/Gender:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling nut
Number of Pins, Side 2:	5(4+FE)
Coding, Side 2:	L
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Ambient Temperature (Operation), Side 2*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69K
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuNi
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PBT GF
Contact Bearer Color, Side 2:	Grey
Molded Body Material, Side 2:	TPE
Molded Body Color, Side 2:	Black
Attachment Material, Side 2:	CuZn, plated Cu/Ni
O-Ring Material, Side 2:	FKM
Note, Side 2:	Do not connect / disconnect under load.

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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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

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