



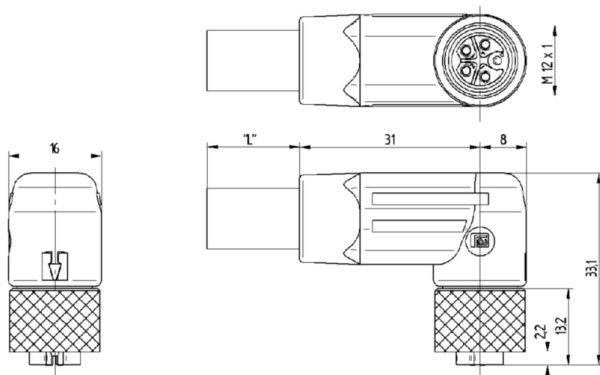
**Product:** [RKWTS 5K-910](#)

M12 Single-Ended Cordset, Industrial Power Applications, PUR black cable, shielded, female, angled, K-coded, 5-Pin (4+PE), 5x1.5 mm<sup>2</sup>

**Product Description**

M12 Single-Ended Cordset, Industrial Power Applications, PUR black cable, shielded, AWM: 20939, female, angled, K-coded, 5-Pin (4+PE), 5x1.5 mm<sup>2</sup>, 600 V AC/DC operating voltage, rated current 16 A, -40 °C ... 125 °C (operating temp.), suited for IP65, IP67, IP69K environment, IEC 60664-1 (2020-05), UL 2237; cULus

**Technical Drawing**



Typ/ type	Polezahl/ number of poles	Standard - Kontaktbelegung/ Farbkennung/ colour code
RKWT(S) 5K...	5	PE
		1 = schwarz 1/black 1
		2 = schwarz 2/black 2
		3 = schwarz 3/black 3
RKWT(S) 5L...	5	4 = schwarz 4/black 4
		PE = grüngelb/green-yellow
		1 = braun/brown
		2 = weiß/white
RKWT(S) 4S...	4	3 = blau/blue
		4 = schwarz/black
		FE = grau/grey
		1 = schwarz 1/black 1
RKWT(S) 4T...	4	2 = schwarz 2/black 2
		3 = schwarz 3/black 3
		PE = grüngelb/green-yellow
		1 = braun/brown
RKWT(S) 4T...	4	2 = weiß/white
		3 = blau/blue
		4 = schwarz/black
		2

**Technical Specifications**

**Face View**

Pin 1	Pin 2	Pin 3	Pin 4	PE
black 1	black 2	black 3	black 4	green-yellow

**Technical Data**

Product Family:	Power Connector
Product Sub Family:	M12 Power
Brand:	Lumberg Automation

Connector Type:	Cordset, single ended
Type of Contact / Gender:	female
Connector Design:	angled
Number of Pins:	5(4+PE)
Coding:	K
Shielding:	Shielded
Attachment Type:	Coupling Nut
Rated Voltage:	630 V
Rated Voltage (UL):	600 V
Rated Impulse Voltage:	6.0 kV
Operating Voltage:	600 V AC/DC
Rated Current*:	16 A
Rated Current (UL)*:	16 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C ... 125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Design Standard:	IEC 61076-2-111
Pollution Degree:	3 acc. to IEC 60664-1
Clearance / Creepage Distance:	IEC 60664-1 (2020-05)
Overvoltage Category:	III acc. to IEC 60664-1

Materials

Contact Base Material:	CuNi
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT GF
Contact Bearer Color:	blue
Flammability Class (Contact Bearer):	UL 94 V-2
Molded Body Material:	TPE
Molded Body Color:	black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
Shielding Material:	CuZn, plating: Ni
O-Ring Material:	FKM

Additional Technical Data

Fastening Torque (Contact Screw):	M 12x1: (60-65) Ncm, hand-tight
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Cable Data

Cable Number:	910
Conductor Size:	1.50 mm²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Cycles (Bending):	> 10 Mio, max. 50 m/s²
Cycles (Torsion):	> 5 Mio @ ± 30 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 9.3 ±0,2
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 2.35 mm
Inner Jacket:	TPE-O
Overall Shield (Cable):	tinned copper braided screen
Ambient Temperature (Fixed Installation):	-30 °C ... 80 °C

Ambient Temperature (Flex Installation):	-40 °C ... 125 °C
Ambient Temperature (Fixed Installation short-term 100h):	-40 °C ... 80 °C
Ambient Temperature (Drag Chain Inst):	-20 °C ... 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

Approvals

UL-File:	E497237
UL:	UL 2237; cULus
VDE:	-

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN VDE 0472 T.815, IEC 60754-1
Oil Resistance:	HD 22.10 Appendix A, DIN EN 60811-404

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector.
Product Characteristics:	To ensure ingress protection, please check the O-ring's position before connecting. Improperly positioned O-ring leads to ingress protection potential failure.

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