



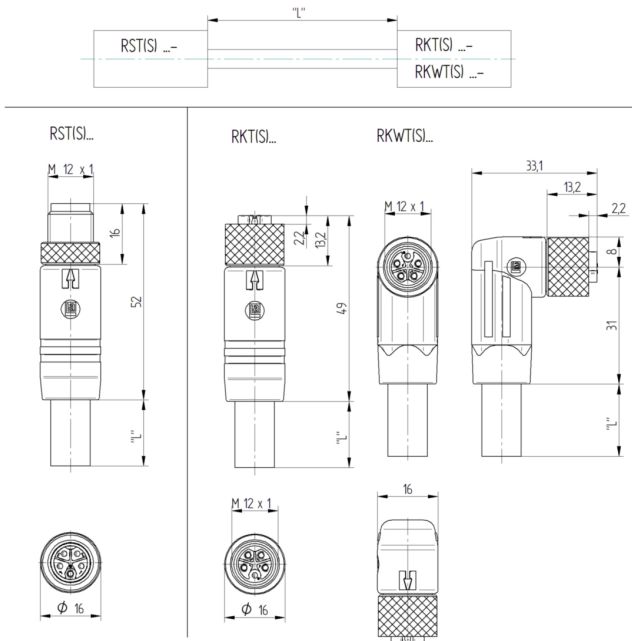
**Product:** [RSTS 5K-RKWTS 5K-916](#)

M12 to M12 cordset, Industrial Power Applications, PVC black cable, shielded, male to female, straight to angled, K-coded, 5-Pin (4+PE), 5x1.5 mm<sup>2</sup>

**Product Description**

M12 to M12 cordset, Industrial Power Applications, PVC black cable, shielded, AWM: 21179, male to female, straight to 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 environment, IEC 60664-1 (2020-05), UL 2237; cULus

**Technical Drawing**



**Technical Specifications**

**Face View Side 1**

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

**Face View Side 2**

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

**Product Description**

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
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

Technical Data Side 1

Product Sub Family:	M12 Power
Type of Contact / Gender:	male
Connector Design:	straight
Attachment Type:	Coupling Screw
Number of Pins:	5(4+PE)
Coding:	K
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10*9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C ... 125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67
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
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
Fastening Torque (Contact Screw):	M 12x1: (60-65) Ncm, hand-tight

Cable Data

Cable Number:	916
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):	> 1 Mio
Cycles (Torsion):	-
Conductor material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	grey (RAL 7001)
Cable Diameter D:	ø 9.3 ±0,2
Wire Insulation Material:	PVC
Insulated Wire Diameter:	ø 2.35 mm
Inner Jacket:	PVC
Overall Shield (Cable):	tinned copper braided screen
Ambient Temperature (Fixed Installation):	-15 °C ... 80 °C
Ambient Temperature (Flex Installation):	-15 °C to +80 °C
Ambient Temperature (Fixed Installation short-term 100h):	-30 °C ... 80 °C
Ambient Temperature (Drag Chain Inst):	0 °C ... 60 °C

UL Cable Type:	AWM: 21179
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

Product Sub Family, Side 2:	M12 Power
Type of Contact / Gender, Side 2:	female
Connector Design, Side 2:	angled
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	5(4+PE)
Coding, Side 2:	K
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 ... 125 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-111
Pollution Degree, Side 2:	3 acc. to IEC 60664-1
Clearance / Creepage Distance, Side 2:	IEC 60664-1 (2020-05)
Overvoltage Category, Side 2:	III acc. to IEC 60664-1
Contact Base Material, Side 2:	CuNi
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PBT GF
Contact Bearer Color, Side 2:	blue
Flammability Class (Contact Bearer), Side 2:	UL 94 V-2
Molded Body Material, Side 2:	TPE
Molded Body Color, Side 2:	black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Cu/Ni
Shielding Material, Side 2:	CuZn, plating: Ni
O-Ring Material, Side 2:	FKM
Fastening Torque (Contact Screw), Side 2:	M 12x1: (60-65) Ncm, hand-tight

Approvals

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

Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

Resistances

Halogenfree:	-
Oil Resistance:	HD 22.10 Appendix A, DIN EN 60811-404

Notes

Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector.
Note Derating:	* Notice derating
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.

© 2025 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

