

Product: [RST 5L-RKT 5L-949](#) 



M12 Power | Cordset | Male Straight → Female Straight, 5-pin L-code, PUR
(1.50 mm²) 16 AWG, 63 V / 16 A

Product Description

M12 Power | Double-Ended Cordset | M12 Male Straight, #Contacts 5 (4+FE), L-code → M12 Female Straight, #Contacts 5 (4+FE), L-code | Cable: Grey PUR; 1.50 mm² (16 AWG) | 63 V / 16 A

Technical Specifications

Face View Side 1

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

Face View Side 2

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

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	60 V AC/DC
Current Rating:	16 A
Rated Current (UL)*:	16 A

Technical Data Side 1

Side 1 Product Sub Family:	M12 Power
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	Molded M12 Male Straight
Attachment Type:	Coupling Screw
Number of Pins:	5 (4+FE)
Coding, Side 1:	L
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67, IP69k
Side 1 Design Standard:	IEC 61076-2-111
Side 1 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:	Copper Alloy (CuNi)

Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Glass-filled Polybutylene Terephthalate (PBT GF)
Contact Bearer Color:	Grey
Flammability Class (Contact Bearer):	UL 94 V-2
Molded Body Material:	Thermoplastic Elastomer (TPE)
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Copper Alloy (CuZn)
Attachment Plating:	Nickel (Ni)
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	1. Do not connect or disconnect under load.

Cable Data

Cable Number:	949
Conductor Size:	1.50 mm ²
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/s ²
Cycles (Torsion):	> 5 Mio @ ± 30 °/1 m
Conductor Material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Grey
Cable Diameter D:	Ø 8.0 0.314"
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	Ø 2.35 mm 0.092"
Overall Shield (Cable):	Unshielded
Ambient Temperature (Fixed Installation):	-40° C to +90° C
Ambient Temperature (Flex Installation):	-30° C to +90° 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 Style 20939
Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1
Cable Characteristics:	Flexibility: Excellent Abrasion Resistance: Excellent Oil & Chemical Resistance: Excellent UV Resistance: Good to excellent Low Temp Performance: Excellent (flexible to -40°C) Flame Retardance: VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 Halogen-Free: Yes, DIN VDE 0472 T.815 Mechanical Durability: High (resists impact, tear, and flex) Environmental Suitability: Outdoor, oily, wet, or rough environments

Technical Data Side 2

Side 2 Product Sub Family:	M12 Power
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	Molded M12 Female 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 ⁹ Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	-40 °C to +125 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69k
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:	Copper Alloy (CuNi)
Contact Plating, Side 2:	Copper over Gold (Cu/Au)
Contact Bearer Material, Side 2:	Glass-filled Polybutylene Terephthalate (PBT GF)
Contact Bearer Color, Side 2:	grey
Flammability Class (Contact Bearer), Side 2:	UL 94 V-2
Molded Body Material, Side 2:	Thermoplastic Elastomer (TPE)
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Copper Alloy (CuZn)
Attachment Plating, Side 2:	Nickel (Ni)
O-Ring Material, Side 2:	Fluoroelastomer (FKM)
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight
Note, Side 2:	1. Do not connect or disconnect under load.

Approvals

UL-File:	E497237
UL:	UL 2237; cULus

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

Resistances

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

Notes

Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
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.

Variants

Item #	Item Description	Cable Length
26140	RST 5L-RKT 5L-949/15 M SW	
21061	RST 5L-RKT 5L-949/30 M	
25733	RST 5L-RKT 5L-949/6 M	
21057	RST 5L-RKT 5L-949/3 M	
21058	RST 5L-RKT 5L-949/15 M	
22695	RST 5L-RKT 5L-949/7,5 M	
21804	RST 5L-RKT 5L-949/1,5 M	
26133	RST 5L-RKT 5L-949/3 M SW	
21059	RST 5L-RKT 5L-949/20 M	
26135	RST 5L-RKT 5L-949/5 M SW	
24142	RST 5L-RKT 5L-949/4 M	
24143	RST 5L-RKT 5L-949/12 M	
26138	RST 5L-RKT 5L-949/10 M SW	
26147	RST 5L-RKT 5L-949/20 M SW	
934853163	RST 5L-RKT 5L-949/0,3 M	0.3 m
25831	RST 5L-RKT 5L-949/0,5 M	0.5 m
934853164	RST 5L-RKT 5L-949/0,6 M	0.6 m
934853165	RST 5L-RKT 5L-949/1 M	1 m
934853166	RST 5L-RKT 5L-949/2 M	2 m
530021057	RST 5L-RKT 5L-949/3 M	3 m
934853167	RST 5L-RKT 5L-949/5 M	5 m
530023935	RST 5L-RKT 5L-949/7 M	7 m
25734	RST 5L-RKT 5L-949/8 M	8 m

934853168	RST 5L-RKT 5L-949/10 M	10 m
530021059	RST 5L-RKT 5L-949/20 M	20 m
530021060	RST 5L-RKT 5L-949/25 M	25 m
530021061	RST 5L-RKT 5L-949/30 M	30 m
530028599	RST 5L-RKT 5L-949/45 M	45 m
530021062	RST 5L-RKT 5L-949/50 M	50 m
530028602	RST 5L-RKT 5L-949/60 M	60 m

© 2026 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.