



Product: [RSRK 120M-724](#) 

Life Cycle Status: Discontinued

Obsolete | Replaced by: RSRK 120M-S4678

Product Description

Double-Ended Cordset | 1-1/8" - Male Straight | #Contacts: 12 | 1-1/8" - Female Straight | #Contacts: 12 | 600 V / 5 A | Cable: PVC Yellow; 12x16 AWG; US | UL 2238; cURus"

Technical Specifications

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Connector Sub Type:	Doubled-ended; Male-Female Cordset
Replaced by:	PF_RSRK 120M-S4678
Voltage Rating:	600 V
Rated Voltage (UL):	600 V
Operating Voltage:	540 V AC/DC
Current Rating:	5 A
Rated Current (UL)*:	Power 5 A Signal 5 A

Technical Data Side 1

Side 1 Product Sub Family:	1-1/8" (9, 10, 12, 19 contacts)
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	1-1/8" Male 12 Pole 0°
Attachment Type:	Male Thread (coupling screw)
Number of Pins:	12
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	Brass (CuZn)
Side 1 Contact Plating:	Copper-Silver-Gold-Alloy (Cu/Ag/Au)
Contact Bearer Color:	Yellow
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Thermoplastic polyurethane (TPU)
Molded Body Color:	Yellow
Flammability Class (Molded Body):	UL 94 HB
Housing Color:	Yellow
Attachment Material:	Aluminum (Al)

Attachment Plating:	Anodized; Black
Fastening Torque (Attachment):	1-1/8" 70 Ncm, hand-tight
Mating Connectors / Fitting to:	RSF 120M-624; RKF 120M-624

Cable Data

Cable Number:	724
Conductor Size:	16 AWG
Number of Wires:	12
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 mio
Conductor Material:	Cu
Cable Jacket Material:	Polyvinyl Chloride (PVC)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 17.53 mm [0.690"]
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 3.05 mm [0.120"]
Ambient Temperature (Fixed Installation):	- 40 °C to + 105 °C
Ambient Temperature (Flex Installation):	- 5 °C to + 105 °C
UL Cable Type:	UL: SE00W; CSA: STOOW
Flammability Class (Cable Jacket):	FT1, VW-1
Cable Characteristics:	Flexibility: Good Abrasion Resistance: Good Chemical Resistance: resists water, oils, greases, acids, alkalis, and many solvents Flame Retardance: Good Halogen-Free: No Mechanical Durability: Good (resists impact; tear; and flex) Environmental Suitability: indoor / controlled environments

Technical Data Side 2

Side 2 Product Sub Family:	1-1/8" (9, 10, 12, 19 contacts)
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	1-1/8" Female 12 Pole 0°
Attachment Type, Side 2:	Female Thread (coupling nut)
Number of Pins, Side 2:	12
Coding, Side 2:	A
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 + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	Brass (CuZn)
Contact Plating, Side 2:	Copper-Silver-Gold-Alloy (Cu/Ag/Au)
Contact Bearer Material, Side 2:	Thermoplastic polyurethane (TPU)
Contact Bearer Color, Side 2:	Yellow
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	Thermoplastic polyurethane (TPU)
Molded Body Color, Side 2:	Yellow
Flammability Class (Molded Body), Side 2:	UL 94 HB
Housing Color, Side 2:	Yellow
Attachment Material, Side 2:	Aluminum (Al)
Attachment Plating, Side 2:	Anodized; Black
Fastening Torque (Attachment), Side 2:	1-1/8" 70 Ncm, hand-tight
Note, Side 2:	Do not disconnect under load

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

REACH:	Compliant
RoHS Compliant:	Yes

Resistances

Halogenfree:	No
Oil Resistance:	Yes

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

© 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.