



**Product:** [RSRK 100M-S4677](#) 

1-1/8" - Male 0° | #Contacts: 10 | 1-1/8" - Female 0° | #Contacts: 10 | 600 V | Cable (TPE) YE, 16 AWG, US | cURus

### Product Description

Double-Ended Cordset | 1-1/8" - Male Straight | #Contacts: 10 | 1-1/8" - Female Straight | #Contacts: 10 | 600 V / 7 A | Cable: TPE Yellow; 10x16 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
Replacement for:	PF_RSRK 100M-699
Voltage Rating:	600 V
Rated Voltage (UL):	600 V
Operating Voltage:	540 V AC/DC
Current Rating:	7 A
Rated Current (UL)*:	Power 7 A   Signal 7 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   10 Pole   0°
Attachment Type:	Male Thread (coupling screw)
Number of Pins:	10
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> 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 100M-699; RKF 100M-699

## Cable Data

Cable Number:	S4677
Conductor Size:	16 AWG
Number of Wires:	10
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 mio
Conductor Material:	Cu
Cable Jacket Material:	Thermoplastic Elastomers (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 12.75 mm [ 0.502" ]
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 2.56 mm [ 0.101" ]
Ambient Temperature (Fixed Installation):	- 30 °C to + 90 °C
Ambient Temperature (Flex Installation):	+ 5 °C to + 90 °C
UL Cable Type:	UL: NEC Type TC-ER (UL 1277)
Flammability Class (Cable Jacket):	UL 1685, CSA FT4, IEEC 1202
Cable Characteristics:	Flexibility: Excellent   Abrasion Resistance: Very Good   Chemical Resistance: resists water, oils, greases, acids, alkalis, and solvents  Flame Retardance: Good   Halogen-Free: No   Mechanical Durability: Good (resists impact, tear, and flex)   Environmental Suitability: outdoor, oily, wet, or rough 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   10 Pole   0°
Attachment Type, Side 2:	Female Thread (coupling nut)
Number of Pins, Side 2:	10
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> 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
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## 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

## Variants

Item #	Item Description	Cable Length
500003403	RSRK 100M-S4677/1M	1 m
500003404	RSRK 100M-S4677/2M	2 m
500003405	RSRK 100M-S4677/4M	4 m
500003399	RSRK 100M-S4677/5M	5 m
500003400	RSRK 100M-S4677/6M	6 m
500003401	RSRK 100M-S4677/7M	7 m
540003132	RSRK 100M-S4677/8M	8 m
500004718	RSRK 100M-S4677/9M	9 m
500003393	RSRK 100M-S4677/10M	10 m
500003394	RSRK 100M-S4677/12M	12 m
500003395	RSRK 100M-S4677/15M	15 m
500004749	RSRK 100M-S4677/16M	16 m
500004750	RSRK 100M-S4677/18M	18 m
500003396	RSRK 100M-S4677/20M	20 m
500004753	RSRK 100M-S4677/21M	21 m
500004756	RSRK 100M-S4677/22M	22 m
500004754	RSRK 100M-S4677/23M	23 m
500004632	RSRK 100M-S4677/24M	24 m
500003411	RSRK 100M-S4677/25M	25 m
500004779	RSRK 100M-S4677/28M	28 m
500003397	RSRK 100M-S4677/30M	30 m
500004631	RSRK 100M-S4677/32M	32 m
500004633	RSRK 100M-S4677/38M	38 m
500004634	RSRK 100M-S4677/45M	45 m

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