



**Product:** [RSRK 30-688](#)

7/8" - Male 0° | #Contacts: 3 | 7/8" - Female 0° | #Contacts: 3 | 300 V | Cable: Yellow (PVC); 18 AWG; AUTO | cURus

### Product Description

Double-Ended Cordset | 7/8"- Male Straight | #Contacts: 3 | 7/8"- Female Straight | #Contacts: 3 | 300 V / 8 A | Cable: PVC Yellow; 3x18 AWG; AUTO | UL 2238; cURus

### Technical Specifications

#### Face View Side 1

Pin 1	Pin 2	Pin 3
green	red-black	red-white

#### Face View Side 2

Pin 1	Pin 2	Pin 3
green	red-black	red-white

### Product Description

Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	300 V
Current Rating:	8 A

### Technical Data Side 1

Side 1 Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	7/8"   Male   3 Pole   0°
Attachment Type:	Male Thread (round coupling screw)
Number of Pins:	3
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 Material:	Thermoplastic polyurethane (TPU)
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
Attachment Material:	Aluminum (Al)
Attachment Plating:	Anodized Black
Fastening Torque (Attachment):	7/8": 70 Ncm, hand-tight

## Cable Data

Cable Number:	688
Conductor Size:	18 AWG
Number of Wires:	3
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 7.4 mm (.290")
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 1.65 mm [0.065"]
Ambient Temperature (Fixed Installation):	- 40 °C to +105 °C
Ambient Temperature (Flex Installation):	- 15 °C to +105 °C
UL Cable Type:	UL: AWM 2661 / CSA: AWM I/II A/B
Flammability Class (Cable Jacket):	UL VW-1 / CSA FT-1
Cable Characteristics:	Flexibility: Good   Abrasion Resistance: Good   Chemical Resistance: resists water, oil, acids, and alkalis  Flame Retardance: Good   Halogen-Free: No   Mechanical Durability: Good (resists impact, tear, and flex)   Environmental Suitability: Indoor, excellent balance of performance, cost, and versatility

## Technical Data Side 2

Side 2 Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	7/8"   Female   3 Pole   0°
Attachment Type, Side 2:	Female Thread (round coupling nut)
Number of Pins, Side 2:	3
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
Attachment Material, Side 2:	Aluminum (Al)
Attachment Plating, Side 2:	Anodized Black
Fastening Torque (Attachment), Side 2:	7/8": 70 Ncm, hand-tight
Note, Side 2:	Do not connect / disconnect under load.

## Approvals

UL-File:	E315587
UL:	UL 2238; cURus

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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## 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

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