



Product: [RSRK 301-741](#) 

7/8" - Male 0° | #Contacts: 3 | 7/8" - Female 0° | #Contacts: 3 | 600 V | Cable: Yellow (TPE); 16 AWG; AUTO | cURus

Product Description

Double-Ended Cordset | 7/8"- Male Straight | #Contacts: 3 | 7/8"- Female Straight | #Contacts: 3 | 600 V / 10 A | Cable: TPE Yellow; 3x16 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:	Unshielded
Rated Voltage:	600 V
Rated Current*:	10 A

Technical Data Side 1

Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Type of Contact / Gender:	Pin Contact / Male
Connector Design:	7/8" Male 3 Pole 0°
Attachment Type:	Female Thread (round coupling nut)
Number of Pins:	3
Coding:	A
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
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	Brass (CuZn)
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:	741
Conductor Size:	16 AWG
Number of Wires:	3
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 9.91 mm (0.390")
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 3.05 mm (0.120")
Ambient Temperature (Fixed Installation):	- 50 °C to +105 °C
Ambient Temperature (Flex Installation):	- 10°C to +105 °C
UL Cable Type:	UL: SEOOW; CSA: STOOW
Flammability Class (Cable Jacket):	FT-2
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

Product Sub Family, Side 2:	7/8" (2, 3, 4, 5, 6 contacts)
Type of Contact / Gender, Side 2:	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:	> 10^9 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
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

Variants

Item #	Item Description	Cable Length
500003294	RSRK 301-741/3F	3 ft
500002722	RSRK 301-741/6F	6 ft
500002719	RSRK 301-741/12F	12 ft
500002830	RSRK 301-741/15F	15 ft
500002720	RSRK 301-741/20F	20 ft
500002721	RSRK 301-741/30F	30 ft
600005376	RSRK 301-741/40F	40 ft
500003019	RSRK 301-741/50F	50 ft
500004087	RSRK 301-741/60F	60 ft
500004080	RSRK 301-741/70F	70 ft
500003020	RSRK 301-741/80F	80 ft
500003017	RSRK 301-741/100F	100 ft
500003018	RSRK 301-741/120F	120 ft

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