



Product: [RSRKW 301-619](#)

7/8" - Male 0° | #Contacts: 3 | 7/8" - Female 90° | #Contacts: 3 | 600 V | Cable: Yellow (CPE); 18 AWG; US | cURus

Product Description

Double-Ended Cordset | 7/8"- Male Straight | #Contacts: 3 | 7/8"- Female Angled | #Contacts: 3 | 600 V / 8 A | Cable: CPE Yellow; 3x18 AWG; US | UL 2238; cURus

Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3
green	black	white

Face View Side 2

Pin 1	Pin 2	Pin 3
green	black	white

Product Description

Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	600 V
Rated Current*:	8 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:	619
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:	Chlorinated Polyethylene (CPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 9.27 mm (.365")
Wire Insulation Material:	Ethylene Propylene Rubber (EPR)
Insulated Wire Diameter:	Ø 2.69 mm [0.106"]
Ambient Temperature (Fixed Installation):	- 25 °C to +90 °C
Ambient Temperature (Flex Installation):	- 10 °C to +90 °C
UL Cable Type:	UL: SOOW MSHA
Flammability Class (Cable Jacket):	FT-1 or FT-2
Cable Characteristics:	Flexibility: Good Abrasion Resistance: Good Chemical Resistance: resists water, acids, alkalis, oils, and many solvents Flame Retardance: Good Halogen-Free: No Mechanical Durability: Good (resists impact, tear, and flex) Environmental Suitability: Indoor/Outdoor, UV, ozone, and aging resistance makes it ideal for outdoor use

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 90°
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.
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Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
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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
500003145	RSRKW 301-619/2.5F	2.5 ft
500001597	RSRKW 301-619/3F	3 ft
500001598	RSRKW 301-619/6F	6 ft
500001599	RSRKW 301-619/12F	12 ft
500001600	RSRKW 301-619/15F	15 ft
500001601	RSRKW 301-619/20F	20 ft
500001602	RSRKW 301-619/25F	25 ft
500001603	RSRKW 301-619/30F	30 ft

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