



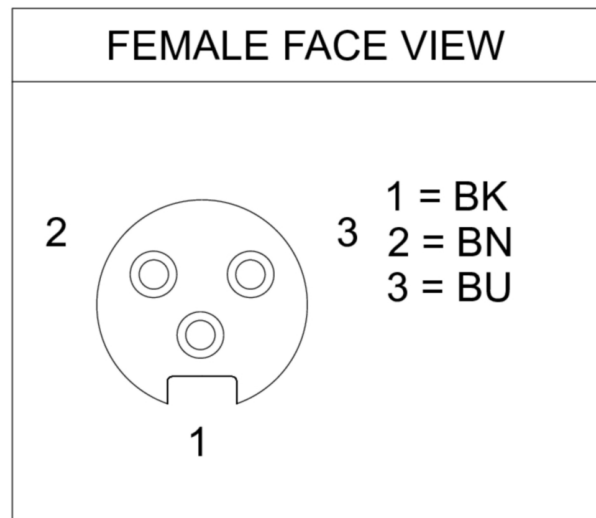
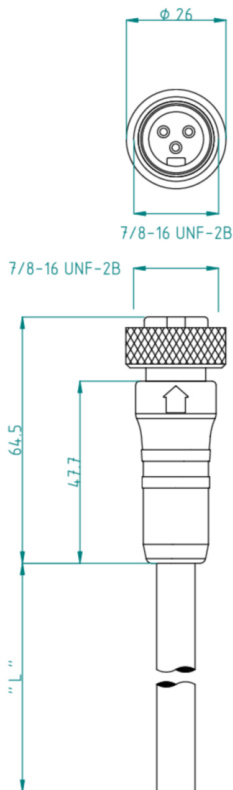
**Product:** [RK 30-731](#)

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

**Product Description**

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

**Technical Drawing**



**Technical Specifications**

**Face View**

Pin 1	Pin 2	Pin 3
black	brown	blue

**Technical Data**

Product Family:	Power Connector
Side 1 Product Sub Family:	MINI 7/8"
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended

Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	Molded   7/8" Female   Straight
Number of Pins:	3
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Female Thread, Coupling Nut
Voltage Rating:	300 V
Rated Voltage (UL):	300 V
Current Rating:	8 A
Rated Current (UL)*:	8 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)

## Materials

Contact Base Material:	Copper Alloy (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

## Additional Technical Data

Fastening Torque (Attachment):	MINI: 70 Ncm, hand-tight
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## Cable Data

Cable Number:	731
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):	> 5 mio
Conductor Material:	Cu
Cable Jacket Material:	Thermoplastic Elastomers (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 7.2 mm (.284")
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 1.83 mm [0.072"]
Overall Shield (Cable):	Unshielded
Ambient Temperature (Fixed Installation):	- 25 °C to +105 °C (PLTC 90 °C)
Ambient Temperature (Flex Installation):	- 10 °C to +105 °C (PLTC 90 °C)
UL Cable Type:	UL: PLTC / AWM 20327 / CSA: AWM I/II A/B
Flammability Class (Cable Jacket):	UL VW-1 CSA FT-1
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

## 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

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked

## Variants

Item #	Item Description	Cable Length
500002614	RK 30-731/6F	6 ft
500002607	RK 30-731/12F	12 ft
500002798	RK 30-731/15F	15 ft
500002608	RK 30-731/20F	20 ft
500002609	RK 30-731/30F	30 ft

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