



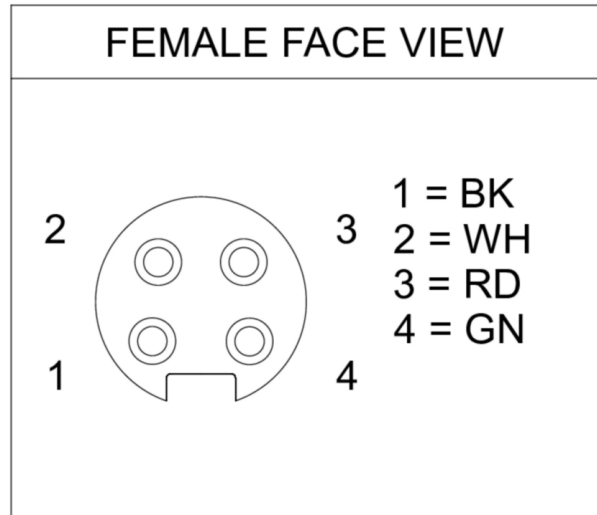
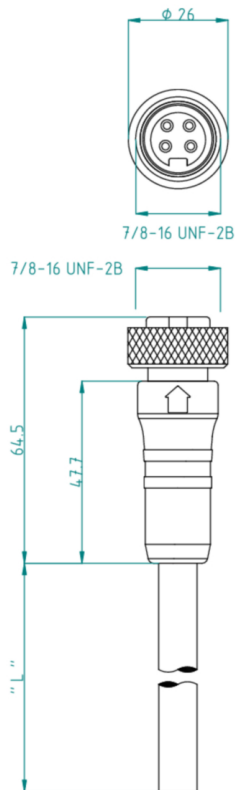
Product: [RK 40-839](#)

7/8" - Female 0° | #Contacts: 4 | 600 V | Cable: Yellow (TPE); 16 AWG; US | cURus

Product Description

Single-Ended Cordset | 7/8"- Female Straight | #Contacts: 4 | 600 V / 10 A | Cable: TPE Yellow; 4x16 AWG; US | UL 2238; cURus

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
black	white	red	green

Technical Data

Product Family:	Power Connector
Side 1 Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended

Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	7/8" Female 4 Pole 0°
Number of Pins:	4
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Female Thread (round coupling nut)
Voltage Rating:	600 V
Rated Voltage (UL):	600 V
Current Rating:	10 A
Rated Current (UL)*:	10
Side 1 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
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

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

Additional Technical Data

Fastening Torque (Attachment):	7/8": 70 Ncm, hand-tight
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Cable Data

Cable Number:	839
Conductor Size:	16 AWG
Number of Wires:	4
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 8.70 mm (0.342")
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

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
500004282	RK 40-839/2M	2 m
500004414	RK 40-839/3M	3 m
500004302	RK 40-839/4M	4 m
500003208	RK 40-839/5M	5 m
500004303	RK 40-839/6M	6 m
500003227	RK 40-839/10M	10 m
500004637	RK 40-839/15M	15 m
500004304	RK 40-839/16M	16 m
500004062	RK 40-839/17M	17 m
500003228	RK 40-839/20M	20 m
540003220	RK 40-839/22M	22 m
540004472	RK 40-839/23M	23 m
500004408	RK 40-839/25M	25 m
500004457	RK 40-839/30M	30 m
500004763	RK 40-839/35M	35 m
500004458	RK 40-839/40M	40 m
500004428	RK 40-839/50M	50 m
500004428	RK 40-839/50M	50 m
500004667	RK 40-839/60M	60 m
500004409	RK 40-839/70M	70 m
500004482	RK 40-839/90M	90 m

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