



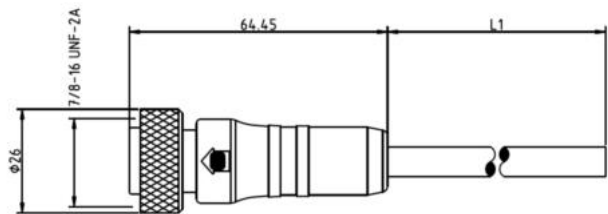
**Product:** [RK 50-877](#) 

7/8" Power Single-Ended Cordset: Female, straight, 5-pin, yellow body, 600 V (UL), 8 A (UL); TPE yellow cable, 16 AWG

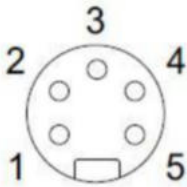
**Product Description**

RK 50-877 - 7/8" Power Single-Ended Cordset: Female, straight, 5-pin, yellow body, 600 V (UL), 8 A (UL); TPE yellow cable, 16 AWG

**Technical Drawing**



FACE VIEW FEMALE



- 1 = WH
- 2 = RD
- 3 = GN
- 4 = OR
- 5 = BK

**Technical Specifications**

**Technical Data**

Product Family:	Power Connector
Product Sub Family:	7/8"
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	straight
Number of Pins:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling nut
Rated Voltage:	600 V
Rated Voltage (UL):	600 V
Rated Current*:	8 A
Rated Current (UL)*:	8 A

Ambient Temperature (Operation)*:	- 30 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, NEMA 6P

### Materials

Contact Base Material:	CuZn
Contact Plating:	Au over Ag
Contact Bearer Material:	TPU
Contact Bearer Color:	Yellow
Molded Body Material:	TPU
Molded Body Color:	Yellow
Attachment Material:	Al

### Cable Data

Cable Number:	877
Conductor Size:	16 AWG (65/34)
Number of Wires:	5
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Stranded, BC
Cable Jacket Material:	TPE
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 9.4 mm
Wire Insulation Material:	PVC-Nylon
Insulated Wire Diameter:	Ø 2.5 mm
Ambient Temperature (Fixed Installation):	-30 °C to +90°C
UL Cable Type:	TC-ER (90°C Dry / 75°C Wet) 600 V
Flammability Class (Cable Jacket):	FT4 / IEEC 1202
Cable Characteristics:	Oil and Coolant, Vibration, UV, Abrasion, and Weld Spark resistant, Continuous Flex

### Approvals

UL-File:	E104696
UL:	UL recognized

### Safety & Environmental Compliance

RoHS Compliant:	Yes
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### Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

### History

Update and Revision:	Revision Number: 0.74 Revision Date: 02-03-2025
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#### Variants

Item #	Item Description	Cable Length
540003047	RK 50-877/1M	1 m
500003270	RK 50-877/2M	2 m
500004361	RK 50-877/3M	3 m
500004177	RK 50-877/4M	4 m
500003271	RK 50-877/5M	5 m
500004311	RK 50-877/6M	6 m
500004445	RK 50-877/7M	7 m
500004475	RK 50-877/8M	8 m
500003269	RK 50-877/10M	10 m
500004313	RK 50-877/11M	11 m
500004312	RK 50-877/12M	12 m
500004314	RK 50-877/13M	13 m
500003327	RK 50-877/15M	15 m
500004315	RK 50-877/16M	16 m
500004421	RK 50-877/20M	20 m
500004316	RK 50-877/22M	22 m

500004384	RK 50-877/25M	25 m
540003008	RK 50-877/30M	30 m
500004317	RK 50-877/34M	34 m
540003331	RK 50-877/66M	66 m

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