



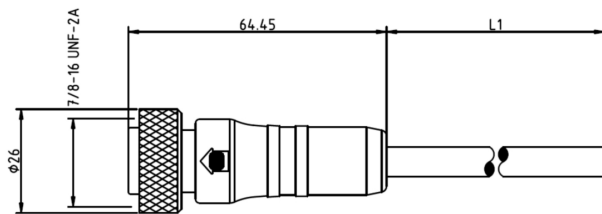
**Product:** [RS 501-877](#)

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

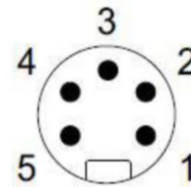
### Product Description

RS 501-877 - 7/8" Power Single-Ended Cordset: Male, straight, 5-pin, yellow body, 600 V (UL), 8 A (UL); TPE yellow cable, 16 AWG

### Technical Drawing



### FACE VIEW MALE



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:	Male
Connector Design:	straight
Number of Pins:	5
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling nut with internal threads
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: 0.71 Revision Date: 03-22-2023
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## Variants

Item #	Item Description	Cable Length
500004655	RS 501-877/2M	2 m
540002688	RS 501-877/4M	4 m
500004473	RS 501-877/5M	5 m
540002689	RS 501-877/6M	6 m
500004354	RS 501-877/9M	9 m
540002690	RS 501-877/10M	10 m
500004355	RS 501-877/11M	11 m
500004474	RS 501-877/25M	25 m

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