



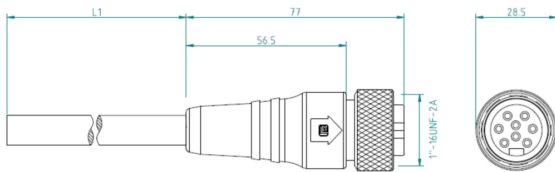
**Product:** [RK 80M-898](#)

1" Power Single-Ended Cordset: Female, 8-pin, 600 V, 7 A; TPE yellow cable, 16 AWG

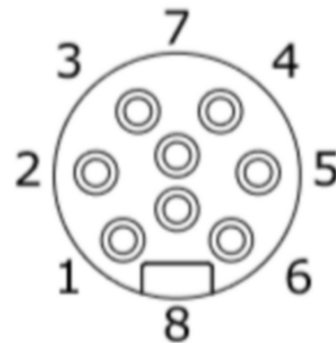
**Product Description**

1" Power Single-Ended Cordset: Female, straight, 8-pin, yellow body, 600 V, 7 A; TPE yellow cable, 16 AWG, TC-ER Rated, US Color Code

**Technical Drawing**



**FACE VIEW  
FEMALE**



- 1 = OR
- 2 = BU
- 3 = WH/BK
- 4 = BK
- 5 = WH
- 6 = RD
- 7 = GN
- 8 = RD/BK

**US COLOR CODE**

**Technical Specifications**

**Technical Data**

Product Family:	Power Connector
Product Sub Family:	1"

Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	8
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling nut with internal threads
Rated Voltage:	600 V
Ambient Temperature (Operation)*:	-40 °C to +90 °C
Protection Degree / IP Rating**:	IP65, IP67

## Materials

Contact Base Material:	CuZn
Contact Plating:	Au over Ag
Contact Bearer Material:	TPU
Contact Bearer Color:	YE
Molded Body Material:	TPU
Molded Body Color:	yellow
Attachment Material:	Anodized Bk, Al

## Cable Data

Cable Number:	898
Conductor Size:	16 AWG (65/34)
Number of Wires:	8
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Stranded, BC
Cable Jacket Material:	TPE
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 10.92 mm
Wire Insulation Material:	PVC-Nylon
Insulated Wire Diameter:	Ø 2.77 mm
Ambient Temperature (Fixed Installation):	-30C TO 90C DRY, 75C WET
UL Cable Type:	NEC TYPE TC-ER (UL1277)
Flammability Class (Cable Jacket):	UL 1685, CSA FT4, IEEE 1202
Cable Characteristics:	Oil and Coolant, Vibration, UV, Abrasion, and Weld Spark resistant, Continuous Flex

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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## Notes

Note Derating:	Notice Derating
Protection Degree / IP Rating Note:	Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product

## Variants

Item #	Item Description	Cable Length	Replacement for
540000694	RK 80M-898/2M	2 m	RK 80M-698
540000547	RK 80M-898/4M	4 m	RK 80M-698
540001945	RK 80M-898/5M	5 m	RK 80M-698
540000020	RK 80M-898/6M	6 m	RK 80M-698
540001259	RK 80M-898/10M	10 m	RK 80M-698
33444	RK 80M-898/10 M	10 m	RK 80M-698
540003307	RK 80M-898/15M	15 m	RK 80M-698
540002221	RK 80M-898/20M	20 m	RK 80M-698
540002211	RK 80M-898/30M	30 m	RK 80M-698

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