



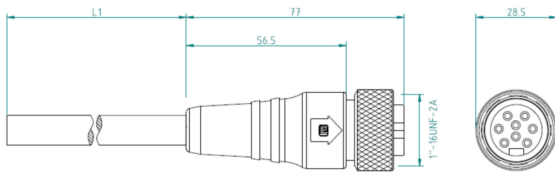
**Product:** [RK 80M-898](#)

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

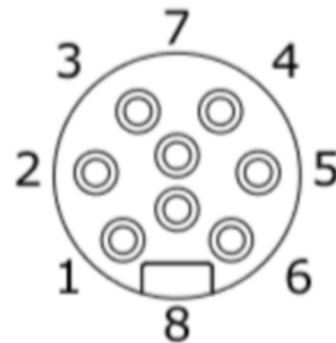
**Product Description**

Single-Ended Cordset | 1- Female Straight | #Contacts: 8 | 600 V / 7 A | Cable: TPE Yellow; 8x16 AWG; US"

**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**

**Face View**

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
orange	blue	white/black	black	white	red	green	red/black

## 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   1" Female   Straight
Number of Pins:	8 (7+PE)
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Female Thread, Coupling Nut
Voltage Rating:	600 V
Current Rating:	7 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:	898
Conductor Size:	16 AWG
Number of Wires:	8
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 10.92 mm   0.430"
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 2.56 mm   0.101"
Overall Shield (Cable):	Unshielded
Ambient Temperature (Fixed Installation):	- 30 °C to +90 °C
Ambient Temperature (Flex Installation):	+ 5 °C to +90 °C
Ambient Temperature (Fixed Installation short-term 100h):	- 30 °C to + 90 °C
Ambient Temperature (Drag Chain Inst):	- 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

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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## Resistances

Halogenfree:	No
Oil Resistance:	Oil Res II

## 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
540000694	RK 80M-898/2M	2 m
540000547	RK 80M-898/4M	4 m
500004766	RK 80M-898/4M-R	4 m
540001945	RK 80M-898/5M	5 m
540000020	RK 80M-898/6M	6 m
540001259	RK 80M-898/10M	10 m
33444	RK 80M-898/10 M	10 m
540003307	RK 80M-898/15M	15 m
540002221	RK 80M-898/20M	20 m
540002211	RK 80M-898/30M	30 m

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