



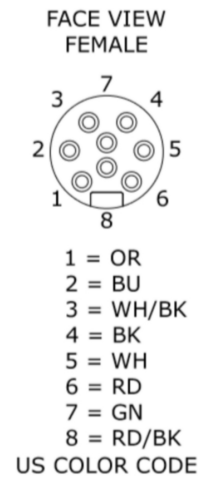
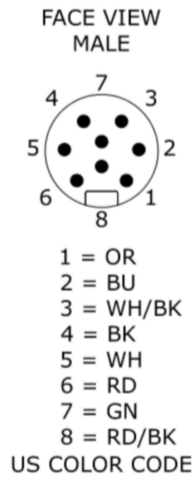
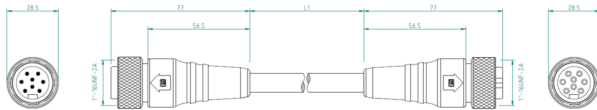
Product: [RSRK 801M-898-R](#)

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

Product Description

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

Technical Drawing



Technical Specifications

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	600 V
Current Rating:	7 A

Technical Data Side 1

Side 1 Product Sub Family:	MINI 1"
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	Molded 1" Male Straight
Attachment Type:	Female Thread, Coupling Nut
Number of Pins:	8 (7+PE)
Coding, Side 1:	A
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
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
Fastening Torque (Attachment):	1": 70 Ncm, hand-tight

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"
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, IEEE 1202
Cable Characteristics:	Oil and Coolant, Vibration, UV, Abrasion, and Weld Spark resistant, Continuous Flex

Technical Data Side 2

Side 2 Product Sub Family:	MINI 1"
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	Molded 1" Female Straight
Attachment Type, Side 2:	Female Thread, Coupling Nut
Number of Pins, Side 2:	8 (7+PE)
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 10 mOhm
Ambient Temperature (Operation), Side 2*:	- 40 °C to + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Contact Base Material, Side 2:	Copper Alloy (CuZn)
Contact Plating, Side 2:	Au over Ag
Contact Bearer Material, Side 2:	Thermoplastic polyurethane (TPU)
Contact Bearer Color, Side 2:	Yellow
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	Thermoplastic polyurethane (TPU)
Molded Body Color, Side 2:	Yellow
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Aluminum (Al)
Attachment Plating, Side 2:	Anodized Black
Fastening Torque (Attachment), Side 2:	1": 70 Ncm, hand-tight

Note, Side 2:	Do not connect / disconnect under load.
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Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
Oil Resistance:	Oil Res II

Notes

Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note Derating:	* Notice derating

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