



Product: [RK 80M-698](#)

Life Cycle Status: Obsolete

Replaced by: [RK 80M-898](#)

Obsolete | Replacement: RK 80M-898

Product Description

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

Technical Specifications

Technical Data

Product Family:	Power Connector
Side 1 Product Sub Family:	1" (6, 7, 8 contacts)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	1" Female 8 Pole 0°
Number of Pins:	8
Shielding Type:	Unshielded
Attachment Type:	Female Thread (round coupling nut)
Voltage Rating:	600 V
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 90°C
Protection Degree / IP Rating**:	IP65, IP67

Materials

Contact Base Material:	Brass (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):	1": 70 Ncm, hand-tight
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Cable Data

Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor Material:	Cu
Wire Insulation Material:	Polyvinyl Chloride (PVC)

UL Cable Type:	UL: STOW STO
Cable Characteristics:	See downloads tab for details

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
Oil Resistance:	Yes

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
500000694	DISCONTINUED	6 ft
500000547	DISCONTINUED	12 ft
500001945	DISCONTINUED	15 ft
500000548	DISCONTINUED	20 ft
500000549	DISCONTINUED	30 ft

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