



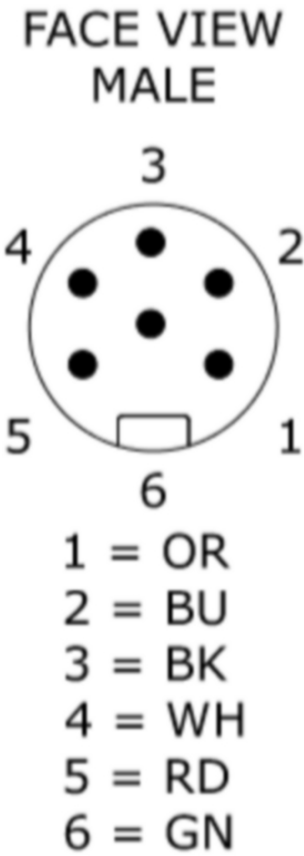
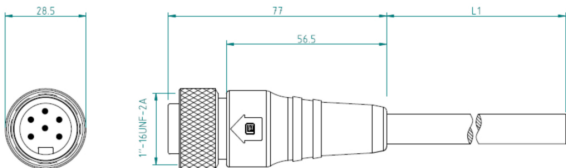
**Product:** [RS 601B-896](#)

1" Power Single-Ended Cordset: Male, 6-pin, 600 V, 8 A; TPE yellow cable, 16 AWG

Product Description

1" Power Single-Ended Cordset: Male, straight, 6-pin, yellow body, 600 V, 8 A; TPE yellow cable, 16 AWG, TC-ER Rated, US Color Code

Technical Drawing



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:	Male
Connector Design:	Straight
Number of Pins:	6
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling nut with internal threads
Rated Voltage:	600 V
Rated Current*:	8 A
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:	896
Conductor Size:	16 AWG (65/34)
Number of Wires:	6
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Stranded, BC
Cable Jacket Material:	TPE
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 10.18 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
540001751	RS 601B-896/1M	1 m	RS 601B-696
540001752	RS 601B-896/2M	2 m	RS 601B-696
540001753	RS 601B-896/4M	4 m	RS 601B-696
540001754	RS 601B-896/5M	5 m	RS 601B-696
540001755	RS 601B-896/6M	6 m	RS 601B-696
540001757	RS 601B-896/10M	10 m	RS 601B-696

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