



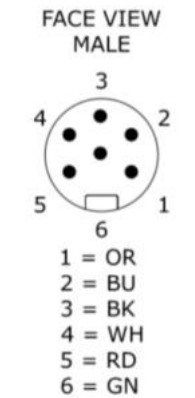
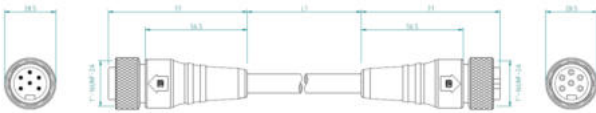
Product: [RSRK 601B-896](#) 

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

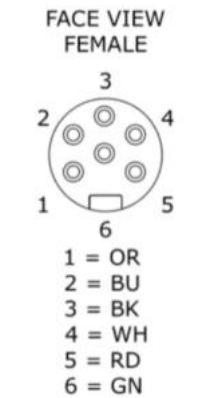
Product Description

1" Power Double-Ended Cordset: Male, straight, 6-pin to Female, 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



US COLOR CODE

Technical Specifications

Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	600 V
Rated Current*:	8 A

Technical Data Side 1

Product Sub Family:	1"
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling nut with internal threads
Number of Pins:	6
Ambient Temperature (Operation)*:	-40 °C to +90 °C
Protection Degree / IP Rating**:	IP65, IP67

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

Technical Data Side 2

Product Sub Family, Side 2:	1"
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling nut with internal threads
Number of Pins, Side 2:	6
Ambient Temperature (Operation), Side 2*:	-40 °C to +90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Contact Base Material, Side 2:	CuZn
Contact Plating, Side 2:	Au over Ag
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	YE
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	yellow
Attachment Material, Side 2:	Anodized Bk, Al
Note, Side 2:	Do not connect / disconnect under load.

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

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

Variants

Item #	Item Description	Cable Length	Replacement for
540001759	RSRK 601B-896/2M	2 m	RSRK 601B-696
540001760	RSRK 601B-896/4M	4 m	RSRK 601B-696
540001761	RSRK 601B-896/5M	5 m	RSRK 601B-696
540001762	RSRK 601B-896/6M	6 m	RSRK 601B-696
540004437	RSRK 601B-896/7M	7 m	RSRK 601B-696
540001764	RSRK 601B-896/10M	10 m	RSRK 601B-696
540004439	RSRK 601B-896/13M	13 m	RSRK 601B-696
540004440	RSRK 601B-896/16M	16 m	RSRK 601B-696
540004441	RSRK 601B-896/20M	20 m	RSRK 601B-696

540004442	RSRK 601B-896/22M	22 m	RSRK 601B-696
540004443	RSRK 601B-896/26M	26 m	RSRK 601B-696
540004480	RSRK 601B-896/30M	30 m	RSRK 601B-696

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