



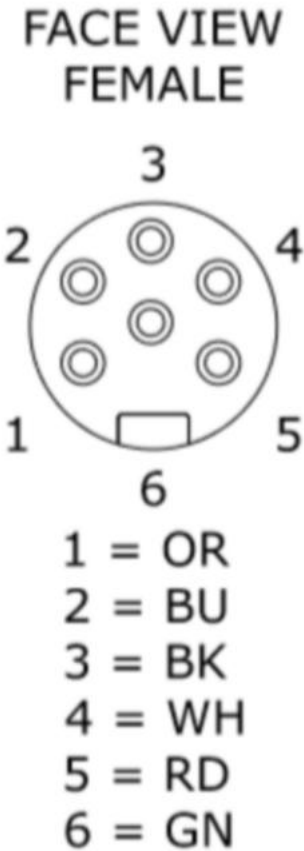
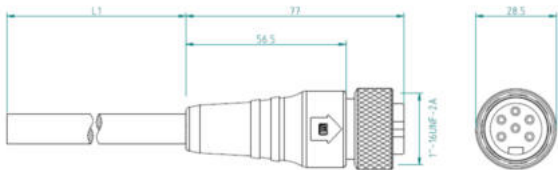
Product: [RK 60B-896](#) 

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

Product Description

1" Power Single-Ended Cordset: 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

Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	1"

Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
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
540000545	RK 60B-896/2M	2 m	RK 60B-696
540000544	RK 60B-896/4M	4 m	RK 60B-696
540001260	RK 60B-896/5M	5 m	RK 60B-696
540000068	RK 60B-896/6M	6 m	RK 60B-696
540000069	RK 60B-896/10M	10 m	RK 60B-696

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.