



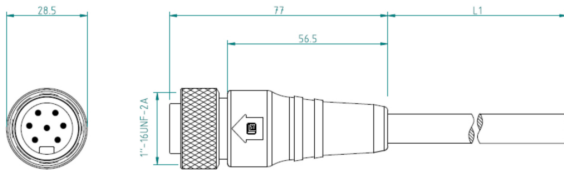
Product: [RS 701M-822](#)

1" Power Single-Ended Cordset: Male, 7-pin, 600 V, 8 A; TPE yellow cable, 16 AWG

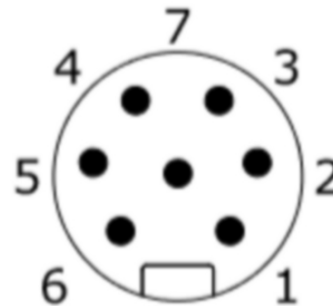
Product Description

1" Power Single-Ended Cordset: Male, straight, 7-pin, yellow body, 600 V, 8 A; TPE yellow cable, 16 AWG, TC-ER Rated, US Color Code

Technical Drawing



**FACE VIEW
MALE**



- 1 = WH/BK
- 2 = BK
- 3 = WH
- 4 = RD
- 5 = OR
- 6 = BU
- 7 = GN

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: | 7 |
| 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: | 822 |
| Conductor Size: | 16 AWG (65/34) |
| Number of Wires: | 7 |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Conductor material: | Stranded, BC |
| Cable Jacket Material: | TPE |
| Cable Jacket Color: | Yellow |
| Cable Diameter D: | Ø 10.55 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 |
|-----------------|-----|

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 |
|-----------|------------------|--------------|-----------------|
| 540004463 | RS 701M-822/1M | 1 m | RS 701M-622 |
| 540001766 | RS 701M-822/2M | 2 m | RS 701M-622 |
| 540001725 | RS 701M-822/4M | 4 m | RS 701M-622 |
| 540001726 | RS 701M-822/5M | 5 m | RS 701M-622 |
| 540001727 | RS 701M-822/6M | 6 m | RS 701M-622 |
| 540001729 | RS 701M-822/10M | 10 m | RS 701M-622 |

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