

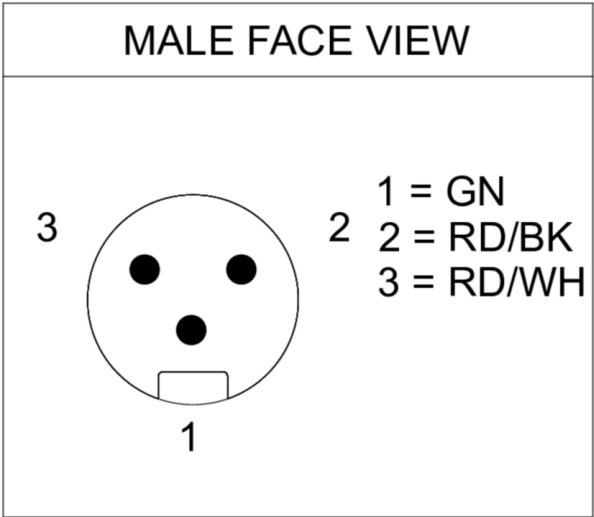
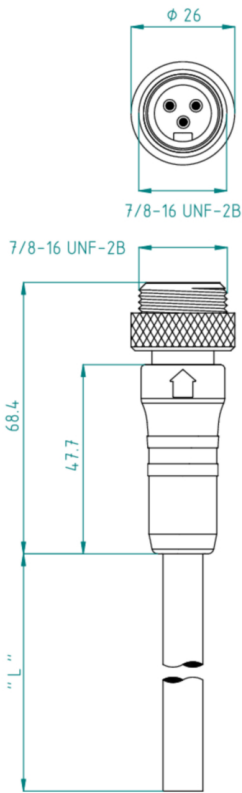


**Product:** [RS 301-741](#)

7/8" - Male 0° | #Contacts: 3 | 600 V | Cable: Yellow (TPE); 16 AWG; AUTO | cURus

**Product Description**  
Single-Ended Cordset | 7/8"- Male Straight | #Contacts: 3 | 600 V / 10 A | Cable: TPE Yellow; 3x16 AWG; AUTO | UL 2238; cURus

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3
green	red-black	red-white

Technical Data

Product Family:	Power Connector
Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Pin Contact / Male

Connector Design:	7/8"   Male   3 Pole   0°
Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Female Thread (round coupling nut)
Rated Voltage:	600 V
Rated Current*:	10 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 90°C
Protection Degree / IP Rating**:	IP65, IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)

### Materials

Contact Base Material:	Brass (CuZn)
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):	7/8": 70 Ncm, hand-tight
--------------------------------	--------------------------

### Cable Data

Cable Number:	741
Conductor Size:	16 AWG
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 mio
Conductor material:	Cu
Cable Jacket Material:	Thermoplastic Elastomers (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 9.91 mm (0.390")
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 3.05 mm (0.120")
Ambient Temperature (Fixed Installation):	- 50 °C to +105 °C
Ambient Temperature (Flex Installation):	- 10°C to +105 °C
UL Cable Type:	UL: SEOOW; CSA: STOOW
Flammability Class (Cable Jacket):	FT-2
Cable Characteristics:	Flexibility: Excellent   Abrasion Resistance: Very Good   Chemical Resistance: resists water, oils, greases, acids, alkalis, and solvents  Flame Retardance: Good   Halogen-Free: No   Mechanical Durability: Good (resists impact, tear, and flex)   Environmental Suitability: outdoor, oily, wet, or rough environments

### Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

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
500002672	RS 301-741/6F	6 ft
500002669	RS 301-741/12F	12 ft
500002818	RS 301-741/15F	15 ft
500002670	RS 301-741/20F	20 ft
500002671	RS 301-741/30F	30 ft

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

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.