



**Product:** [RS 301-738](#)

Life Cycle Status: Discontinued

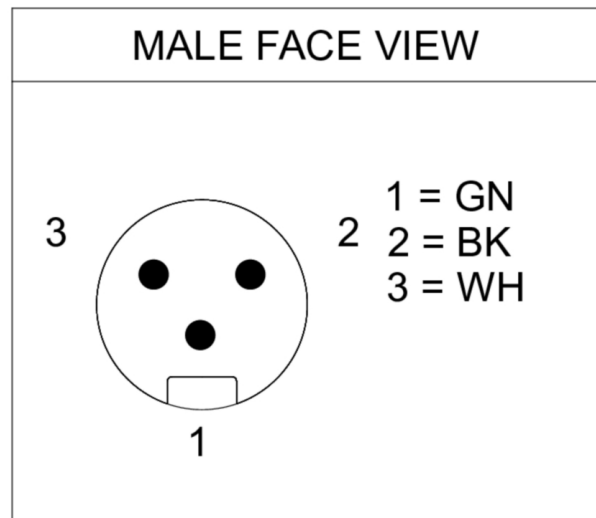
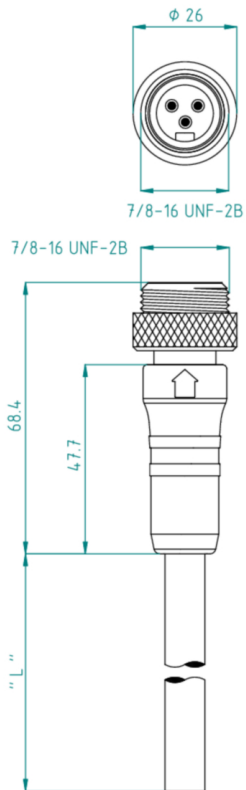
Replaced by: [RS 301-838](#)

Discontinued – Recommended Replacement: RS 301-838

### Product Description

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

### Technical Drawing



### Technical Specifications

#### Face View

Pin 1	Pin 2	Pin 3
green	black	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
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### Cable Data

Cable Number:	738
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
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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
500002665	RS 301-738/6F	6 ft
500003283	RS 301-738-S4722/6F	6 ft
500002662	RS 301-738/12F	12 ft
500002806	RS 301-738/15F	15 ft
500002663	RS 301-738/20F	20 ft
500002664	RS 301-738/30F	30 ft

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