



Product: [RKN 30-738](#)

Life Cycle Status: Discontinued

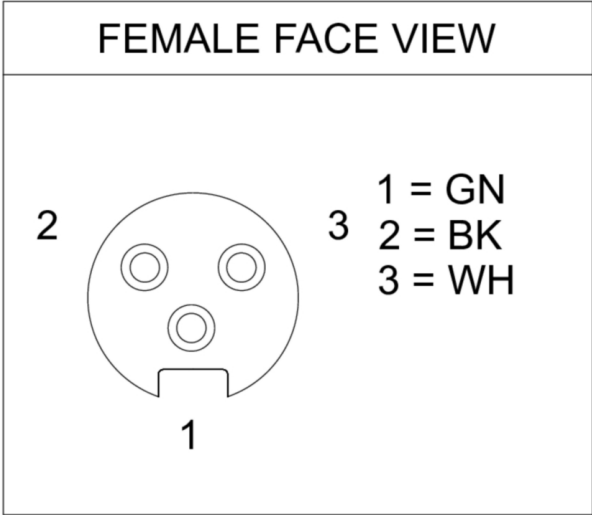
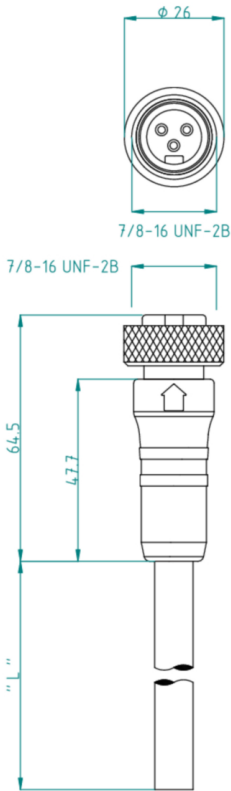
Replaced by: [RK 30-838](#)

Discontinued – Recommended Replacement: RKN 30-838

Product Description

Single-Ended Cordset | 7/8"- Female 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
Side 1 Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended

Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	7/8" Female 3 Pole 0°
Number of Pins:	3
Coding, Side 1:	A
Shielding Type:	Unshielded
Attachment Type:	Female Thread (round coupling nut)
Voltage Rating:	600 V
Current Rating:	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)
Side 1 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:	Stainless Steel
Attachment Plating:	Anodized Black

Additional Technical Data

Fastening Torque (Attachment):	7/8": 70 Ncm, hand-tight
--------------------------------	--------------------------

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: ST00W
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

© 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.