



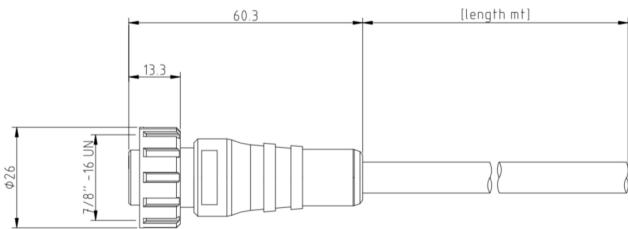
Product: [0905 203 301](#)

DeviceNet Power Supply Cable, 7/8" Power Single-Ended Cordset: Female straight, 3-pin(2+PE), black body, 63 V, 12 A; PUR black cable, 1.00 mm²

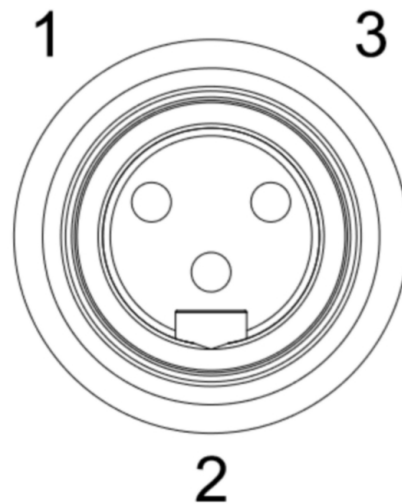
Product Description

0905 203 301 - DeviceNet Power Supply Cable, 7/8" Power Single-Ended Cordset: Female straight, 3-pin(2+PE), black body, 63 V, 12 A; PUR black cable, 1.00 mm²

Technical Drawing



FEMALE FACE VIEW



1 = BK 1
2 = GN/YE
3 = BK 2

Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	7/8"
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight

Number of Pins:	3
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut [internal threaded]
Rated Voltage:	63 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	≤ 50V AC / 60V DC
Rated Current*:	12 A
Contact Resistance:	10 mOhm
Insulation Resistance:	10 ⁹ Ohm
Mating Cycles:	max. 50
Ambient Temperature (Operation)*:	-40 °C to +90 °C
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Ag/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Black
Molded Body Material:	TPU
Molded Body Color:	Black
Housing Material:	TPU
Attachment Material:	PA

Cable Data

Cable Number:	203
Conductor Size:	1 mm ²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cable Jacket Material:	PUR
Cable Jacket Color:	Black
Cable Diameter D:	Ø 6.5 mm
Wire Insulation Material:	PVC
Insulated Wire Diameter:	Ø 2.2 mm
Ambient Temperature (Fixed Installation):	-40 °C to +90°C
Ambient Temperature (Flex Installation):	-5 °C to +90°C
Ambient Temperature (Drag Chain Inst):	-5 °C to +60°C
Flammability Class (Cable Jacket):	VDE 0482-265-2-1, EN 50265-2-1, IEC 60332-1
Cable Characteristics:	Continuous Flex cable; Resistances against, Oil, Grease ,Coolant, Tear, Vibration, UV, and Abrasion

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	Yes
Oil Resistance:	Yes

Notes

Note Derating:	Notice derating
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History

Update and Revision:	Revision Number: 0.47 Revision Date: 03-22-2023
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Variants

Item #	Item Description	Cable Length
9997	0905 203 301/20 M	
762	0905 203 301/0,1 M	0.1 m
13531	0905 203 301/1 M	1 m

13529	0905 203 301/5 M	5 m
71288	0905 203 301/15 M	15 m

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