



Product: [0905 204 309](#)

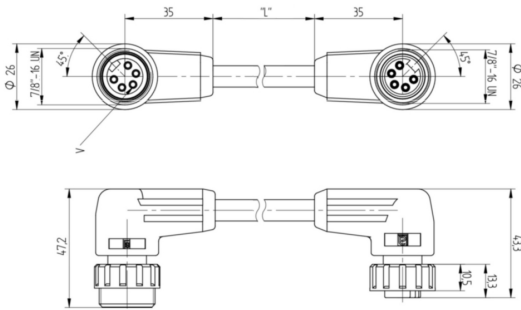
Life Cycle Status: Limited Availability/Passive

Cordset | 7/8" Female Angled → 7/8" Male Angled, 5-pin, PUR (1.00 mm²) 18 AWG, 63 V / 9 A

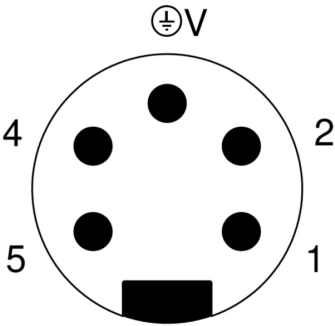
Product Description

Doubled-Ended Cordset | 7/8" Female Angled, #Contacts 5 → 7/8" Male Angled, #Contacts 5 | Cable: Black PUR; 1.00 mm² (18 AWG) | 63 V / 9 A

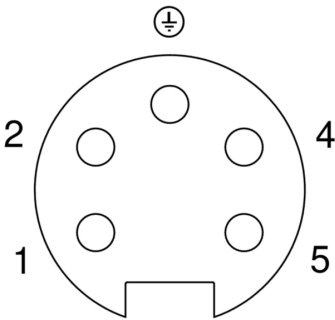
Technical Drawing



Male



Female



Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
black 1	black 2	green / yellow	black 3	black 4

Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
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Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	63 V
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	9 A

Technical Data Side 1

Side 1 Product Sub Family:	MINI 7/8"
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	Molded 7/8" Male Angled
Attachment Type:	Coupling Screw
Number of Pins:	5 (4+PE)
Side 1 Contact Resistance:	≤ 5 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 80 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	Copper Alloy (CuZn)
Side 1 Contact Plating:	Copper-Silver-Gold-Alloy (Cu/Ag/Au)
Contact Bearer Material:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color:	Grey
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Thermoplastic polyurethane (TPU)
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Polyamide (PA)
Fastening Torque (Attachment):	7/8": 70 Ncm, hand-tight
Note:	1. Do not connect or disconnect under load.

Cable Data

Cable Number:	204
Conductor Size:	1 mm²
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor Material:	Cu
Cable Jacket Material:	Polyurethane (PUR)
Cable Jacket Color:	Black
Cable Diameter D:	Ø 8.0 0.315"
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	Ø 2.35 mm 0.092"
Overall Shield (Cable):	Unshielded
Ambient Temperature (Fixed Installation):	- 25° C to + 60 ° C
Ambient Temperature (Flex Installation):	- 25° C to + 80° C
Ambient Temperature (Drag Chain Inst):	- 25° C to + 60 ° C
UL Cable Type:	AWM Style 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2 VDE 0482-332-2-2 IEC 60332-2-2 CSA FT-2

Technical Data Side 2

Side 2 Product Sub Family:	MINI 7/8"
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	Molded 7/8" Female Angled

Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	5 (4+PE)
Contact Resistance, Side 2:	≤ 5 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C to + 80 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Contact Base Material, Side 2:	Copper Alloy (CuZn)
Contact Bearer Material, Side 2:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color, Side 2:	Grey
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	Thermoplastic Elastomer (TPE)
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Polyamide (PA)
Fastening Torque (Attachment), Side 2:	7/8": 70 Ncm, hand-tight
Note, Side 2:	1. Do not connect or disconnect under load.

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
Oil Resistance:	Yes

Notes

Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note Derating:	* Notice derating

Variants

Item #	Item Description	Cable Length
98732	0905 204 309/1 M	1 m
97998	0905 204 309/2 M	2 m
98733	0905 204 309/3 M	3 m

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