



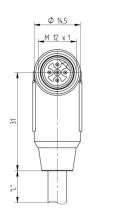
Product: <u>0975 254 134</u> ☑

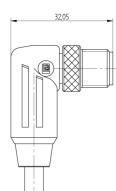
PROFIBUS Data Double-Ended Cordset: Male angled B-coded black M12 Standard to female straight B-coded black M12 Standard, shielded, 50 V AC / 60 V DC, 4 A; PUR violet cable, 2-wires, 0.34 mm²

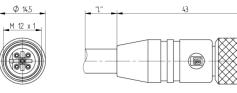
Product Description

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Technical Drawing

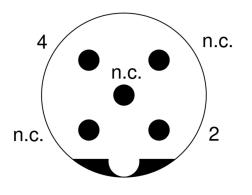






Male

Female



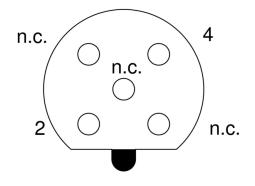
Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
n.c.	green	n.c.	red	n.c.

Face View Side 2

Pin 1Pin 2Pin 3Pin 4Pin 5n.c.greenn.c.redn.c.



Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Data Transmission:	PROFIBUS

Technical Data Side 1

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Male
Connector Design:	Angled
Attachment Type:	Coupling Screw
Number of Pins:	5
Coding:	В
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 25 °C - + 80 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT
Contact Bearer Color:	Violett
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 V-2
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	Housing: GD-Zn, nickel-plated, Sleeve: CuZn, tin-plated
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	254
Conductor Size:	0.34 mm ²
Number of Wires:	2
Minimal Bending Radius (Fixed Inst):	>5xD
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	>1M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	violet matt similarly RAL 4001
Cable Diameter D:	ø 7.60 ± 0.30 mm
Wire Insulation Material:	PE

Insulated Wire Diameter:	ø 2.60 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	Al-PT Foil
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2, flame-retardant
Cable Characteristics:	Exclusion of dangerous materials; Line fulfills the transmission values RS485 (Type A) of the PROFIBUS user organization; Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance Mainly plasticizer diffusion free; Good chemical and oil resistance; Exclusion of PVC and Silicone; Coldness flexibility
Core Colors:	red, green

Technical Data Side 2

Type of Condition email Stands 2 Respin 4 Connector Design, Side 2 Sing N Attachmen Type, Side 2 Coulong Nut Condition 2 Sing N Condit 2 Sing N <th></th> <th></th>		
Side 2: Pendage Connex Design, Side 2: Gouglin Nut Authener 197e, Side 2: Gouglin Nut Coldrag, Side 2: B Contact Seatiance, Side 2: 10 mOhm Insulation Restrictuo, Side 2: 10 Point Insulation Restrictuo, Side 2: 10 Point Maing Oyden, Side 2: 10 Point Side 2: 10 Point Description Side 3: 10 Point Poi	Product Sub Family, Side 2:	M12 Standard
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Ambinit Temperature (Operation), Side 2*: 25 °C + 80 °C Protection Degree / IP Ratu Side 2**: P66, IP67 Design Standard, Side 2: IEC 61076-2-101 Design Standard, Side 2: IEC 61076-2-101 Orivroltage Category, Side 2: 3 acc. to DIN EN 60664-1 (VDE 0110-1) Orivroltage Category, Side 2: III acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material, Side 2: Cu7. Contact Plating, Side 2: Cu7. Contact Plating, Side 2: Volv Poll-Contact Sase Material, Side 2: Volv Contact Plating, Side 2: Volv Contact Plating, Side 2: Volv Volve Volve Contact Sase Material, Side 2: Volve Contact Plating, Side 2: Volve Volve Volve Contact Plating, Side 2: Volve Volve Volve Contact Sase Material, Side 2: Volve Volve Volve Contact Plating, Side 2: Volve Volve Volve Volve Volve Volve Volve	Insulation Resistance, Side 2:	> 10^9 Ohm
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Overvoltage Category, Side 2: III acc. to DIN EN 60664-1 (VDE 0110-1) Contact Base Material, Side 2: CuZn Contact Plating, Side 2: Cu/Au Contact Bearer Material, Side 2: TPU Contact Bearer Color, Side 2: Violett Bearer), Side 2: Violett Bearer), Side 2: Ul 94 HB Nolded Body Material, Side 2: Bick Nolded Body Color, Side 2: Bick Nolded Body Color, Side 2: Bick Katchment Material, Side 2: CuZn Attachment Material, Side 2: CuZn Nolded Body, Side 2: Nick-Iplated Katchment Material, Side 2: CuZn Nolded Body, Side 2: Nick-Iplated Attachment Material, Side 2: CuZn Nolded Body Color, Side 2: Nick-Iplated Attachment Material, Side 2: CuZn Nolded Body Color, Side 2: Nick-Iplated Attachment Plating, Side 2: CuZn Noter Color	Design Standard, Side 2:	IEC 61076-2-101
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Contact Plating, Side 2: Cu/Au Contact Bearer Material, Side FPU Contact Bearer Color, Side 2: Violett Flammability Class (Contact Violett Molded Body Material, Side 2: TPU Molded Body Color, Side 2: Biack Katachment Material, Side 2: Cu/Au Molded Body, Side 2: Cu/Au Molded Body Color, Side 2: Biack Katachment Material, Side 2: Cu/Au Molded Body, Side 2: Cu/Au Attachment Plating, Side 2: Violett-Plating Molder Body Color, Side 2: Cu/Au Attachment Plating, Side 2: Cu/Au Attachment Plating, Side 2: Cu/Au Molder Body Color, Side 2: Cu/Au Attachment Plating, Side 2: Cu/Au Molder Body Color, Side 2:	Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Bearer Material, Side TPU Contact Bearer Color, Side 2: Violett Elammability Class (Contact UL 94 HB Molded Body Material, Side 2: TPU Molded Body Color, Side 2: Black Flammability Class (Molded UL 94 HB Attachment Material, Side 2: CuZn Attachment Plating, Side 2: Nickel-plated Shielding Material, Side 2: CuZn, tin-plated	Contact Base Material, Side 2:	CuZn
2: IFO Contact Bearer Color, Side 2: Violett Flammability Class (Contat Bearer), Side 2: Ul 94 HB Molded Body Material, Side 2: FU Molded Body Color, Side 2: Biack Flammability Class (Moldag Body), Side 2: Ul 94 HB Attachment Material, Side 2: CuZn Attachment Material, Side 2: Nickel-plated Shielding Material, Side 2: CuZn Nickel-plated Nickel-plated	Contact Plating, Side 2:	Cu/Au
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Molded Body Color, Side 2: Black Flammability Class (Molded Body), Side 2: LL 94 HB Attachment Material, Side 2: CuZn Attachment Plating, Side 2: Nickel-plated Shielding Material, Side 2: CuZn, tin-plated Fastening Torque M 1241. (50.60) Nem head tight	Flammability Class (Contact Bearer), Side 2:	UL 94 HB
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Body), Side 2: OL 94 HB Attachment Material, Side 2: CuZn Attachment Plating, Side 2: Nickel-plated Shielding Material, Side 2: CuZn, tin-plated Fastening Torque M 1241 (50 60) Nem hand tight	Molded Body Color, Side 2:	Black
Attachment Plating, Side 2: Nickel-plated Shielding Material, Side 2: CuZn, tin-plated Fastening Torque M 12/1 / (50, 60) Nem hand tight	Flammability Class (Molded Body), Side 2:	UL 94 HB
Shielding Material, Side 2: CuZn, tin-plated Fastening Torque M 12/1/(50.60) Nom hand tight	Attachment Material, Side 2:	CuZn
Fastening Torque M 43/41 /50 60) Nom hand tight	Attachment Plating, Side 2:	Nickel-plated
Fastening Torque M 12x1: (50-60) Ncm, hand-tight	Shielding Material, Side 2:	CuZn, tin-plated
	Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes	
Resistances		
Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1	
Notes		
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.	
Note Derating:	Notice derating	
History		

Variants

Item #	Item Description	Cable Length
934727008	0975 254 134/1 M	1 m
934727009	0975 254 134/2 M	2 m
934727010	0975 254 134/3 M	3 m

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