



**Product:** [RST 5L-1038](#)

M12 Single-Ended Cordset, Power Rail Applications, LZNH grey cable, unshielded, male, straight, L-coded, 5-Pin (4+FE), 5x1.5 mm<sup>2</sup>

## Product Description

M12 Single-Ended Cordset, Power Rail Applications, LZNH grey cable, unshielded, AWM: tbd, male, straight, L-coded, 5-Pin (4+FE), 5x1.5 mm<sup>2</sup>, ≤ 60 V AC/DC operating voltage, rated current 16 A, -40 °C ... 125 °C (operating temp.), suited for IP65, IP67 environment, IEC 60664-1 (2020-05)

## Technical Specifications

### Face View

Pin 1	Pin 2	Pin 3	Pin 4	FE
brown	white	blue	black	pink

### Technical Data

Product Family:	Power Connector
Product Sub Family:	M12 Power
Brand:	Belden
Connector Type:	Cordset, single ended
Type of Contact / Gender:	male
Connector Design:	straight
Number of Pins:	5(4+FE)
Shielding:	Unshielded
Attachment Type:	Coupling Screw
Rated Voltage:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	≤ 60 V AC/DC
Rated Current*:	16 A
Rated Current (UL)*:	-
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C ... 125 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-111
Pollution Degree:	3 acc. to IEC 60664-1
Clearance / Creepage Distance:	IEC 60664-1 (2020-05)
Overvoltage Category:	III acc. to IEC 60664-1

### Materials

Contact Base Material:	CuNi
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT GF
Contact Bearer Color:	grey
Flammability Class (Contact Bearer):	UL 94 V-2
Molded Body Material:	TPE

Molded Body Color:	black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Cu/Ni
O-Ring Material:	FKM

Additional Technical Data

Fastening Torque (Contact Screw):	M 12x1: (60-65) Ncm, hand-tight
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Cable Data

Cable Number:	1038
Conductor Size:	1.50 mm²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 10 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	-
Cycles (Torsion):	-
Conductor material:	Cu
Cable Jacket Material:	LSZH
Cable Jacket Color:	grey (RAL 7032)
Cable Diameter D:	ø 8.6 ±0,2
Wire Insulation Material:	LSZH
Insulated Wire Diameter:	ø 2.25 mm
Ambient Temperature (Fixed Installation short-term 100h):	-30 °C ... 90 °C
UL Cable Type:	AWM: tbd
Flammability Class (Cable Jacket):	UL 1685 FT4, IEEE 1202

Approvals

UL-File:	-
VDE:	-

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN VDE 0472 T.815, IEC 60754-1
Oil Resistance:	HD 22.10 Appendix A, DIN EN 60811-404

Notes

Note Derating:	* Notice derating
Product Characteristics:	To ensure ingress protection, please check the O-ring's position before connecting. Improperly positioned O-ring leads to ingress protection potential failure.

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