

**Product:** [RSTS 4L-1025](#) 



M12 Single-Ended Cordset, Industrial Power Applications, PUR black cable, shielded, male, straight, L-coded, 4-Pin, 4x2.5 mm<sup>2</sup>

**Product Description**

M12 Single-Ended Cordset, Industrial Power Applications, PUR black cable, shielded, AWM: 20939, male, straight, L-coded, 4-Pin, 4x2.5 mm<sup>2</sup>, ≤ 60 V AC/DC operating voltage, rated current 24 A (20 A UL pending), -40 °C ... 125 °C (operating temp.), suited for IP65, IP67, IP69K environment, IEC 60664-1 (2020-05), UL 2237; cULus

**Technical Specifications**

**Face View**

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

**Technical Data**

Product Family:	Power Connector
Side 1 Product Sub Family:	M12 Power
Brand:	Belden
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	male
Connector Design:	straight
Number of Pins:	4
Shielding Type:	Shielded
Attachment Type:	Coupling Screw
Voltage Rating:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	≤ 60 V AC/DC
Current Rating:	24 A
Rated Current (UL)*:	16 A (UL Certified); Product is designed to meet UL 20 A requirements, it is NOT certified yet; a UL 20 A certification process can be initiated upon special request based on a separate agreement with us.
Side 1 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, IP69K
Side 1 Design Standard:	IEC 61076-2-111
Side 1 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
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PBT GF
Contact Bearer Color:	black

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
-----------------------------------	---------------------------------

## Cable Data

Cable Number:	1025
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Cycles (Bending):	> 10 Mio, max. 50 m/s <sup>2</sup>
Cycles (Torsion):	> 5 Mio @ ± 30 °/1 m
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 9.4 ±0,2
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 2.55 mm
Ambient Temperature (Fixed Installation):	-30 °C ... 80 °C
Ambient Temperature (Flex Installation):	-40 °C ... 125 °C
Ambient Temperature (Fixed Installation short-term 100h):	-40 °C ... 80 °C
Ambient Temperature (Drag Chain Inst):	-20 °C ... 60°C
UL Cable Type:	AWM: 20939
Flammability Class (Cable Jacket):	VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1 / UL VW-1, CSA FT1

## Approvals

UL-File:	E497237
UL:	UL 2237; cULus
VDE:	-

## Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

## 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
----------------	-------------------

© 2026 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.