

# Product: RSWT 5L-1022 ☑

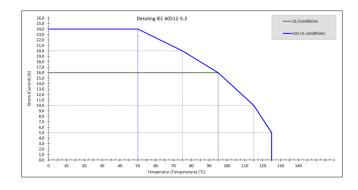


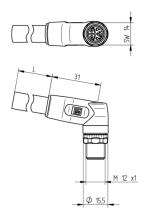
M12 Power Single-Ended Cordset: Male, angled, 5-pin(4+FE), L-coded, blue body, 50 V AC/60 V DC, 20 A; PUR grey cable, ca. 2,5mm<sup>2</sup>

#### **Product Description**

M12 Power Single-Ended Cordset: Male, angled, 5-pin(4+FE), L-coded, blue body, 50 V AC/60 V DC, 20 A; PUR grey cable, 2.5 mm²

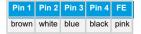
## **Technical Drawing**





## **Technical Specifications**

#### Face View



#### **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:	angled	
Number of Pins:	5	
Coding:	L	
Shielding:	Unshielded	
Attachment Type:	Coupling Screw	
Rated Voltage:	63 V	
Rated Voltage (UL):	63 V	
Rated Impulse Voltage:	1.5 kV	
Operating Voltage:	50 V AC / 60 V DC	
Rated Current*:	24 A	
Rated Current (UL)*:	20 A	

Contact Resistance:	≤ 10 mOhm	
Insulation Resistance:	> 10^9 Ohm	
Mating Cycles:	100	
Ambient Temperature (Operation)*:	) °C to +125 °C, notice derating	
Protection Degree / IP Rating**:	65, IP67, IP69K	
Design Standard:	IEC 61076-2-111	
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)	
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1	
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)	

# **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:	blue	
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:	1022	
Conductor Size:	2.5 mm <sup>2</sup>	
Conductor Resistance:	$\leq$ 8.2 $\Omega$ /km (at 20 °C)	
Number of Wires:	5	
Minimal Bending Radius (Fixed Inst):	>4 x D	
Minimal Bending Radius (Flexible Inst):	>7.5 x D	
Cycles (Bending):	> 10 M	
Conductor material:	Cu	
Cable Jacket Material:	PUR	
Cable Jacket Color:	grey (RAL 7032)	
Cable Diameter D:	ø 9.4 ±0.20 mm	
Wire Insulation Material:	PP	
Insulated Wire Diameter:	ø 2.55 mm	
Overall Shield (Cable):	-	
Ambient Temperature (Fixed Installation):	-40 °C to +90 °C (UL AWM 80°C)	
Ambient Temperature (Flex Installation):	-30 °C to +90 °C (UL AWM 80°C)	
Ambient Temperature (Fixed Installation short-term 100h):	-40 °C to +125 °C	
Ambient Temperature (Drag Chain Inst):	-20 °C to +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:	No

# Safety & Environmental Compliance

RoHS Compliant:	yes

## Resistances

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

#### **Notes**

Note Derating:	* Notice derating	
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.	
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.	

#### Variants

Item #	Item Description
934852165	RSWT 5L-1022/3 M
934852166	RSWT 5L-1022/5 M
934852167	RSWT 5L-1022/10 M
934852168	RSWT 5L-1022/15 M

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