



**Product:** [RST 5L-RKT 5L-1031](#)

M12 to M12 cordset, Industrial Power Applications, TPE yellow cable, unshielded, male to female, straight, L-coded, 5-Pin (4+FE), 5x2.5 mm<sup>2</sup>

## Product Description

M12 to M12 cordset, Industrial Power Applications, TPE yellow cable, unshielded, male to female, straight, L-coded, 5-Pin (4+FE), 5x2.5 mm<sup>2</sup>

## Technical Specifications

### Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Voltage Rating:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	≤ 60 V AC/DC
Rated Current (UL)*:	16 A

### Technical Data Side 1

Side 1 Product Sub Family:	M12 Power
Side 1 Type of Contact/Gender:	male
Connector Design:	straight
Attachment Type:	Coupling Screw
Number of Pins:	5(4+FE)
Coding, Side 1:	L
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	-40 °C ... 90 °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
Contact Base Material:	CuNi
Side 1 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

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

Cable Number:	1031
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 10 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 Mio, max. 50 m/s²
Conductor Material:	Cu
Cable Jacket Material:	TPE
Cable Jacket Color:	yellow
Cable Diameter D:	ø 9.4 ±0,2
Wire Insulation Material:	PVC / PA
Insulated Wire Diameter:	ø 2.55 mm
Ambient Temperature (Fixed Installation):	-40 °C ... 90 °C
Ambient Temperature (Flex Installation):	-5 °C to +90 °C
Ambient Temperature (Fixed Installation short-term 100h):	-5 °C ... 90 °C
UL Cable Type:	AWM 22187
Flammability Class (Cable Jacket):	UL Horizontal Flame Test

Technical Data Side 2

Side 2 Product Sub Family:	M12 Power
Side 2 Type of Contact/Gender:	female
Connector Design, Side 2:	straight
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	5(4+FE)
Coding, Side 2:	L
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	-40 °C ... 90 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-111
Pollution Degree, Side 2:	3 acc. to IEC 60664-1
Clearance / Creepage Distance, Side 2:	IEC 60664-1 (2020-05)
Overvoltage Category, Side 2:	III acc. to IEC 60664-1
Contact Base Material, Side 2:	CuNi
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PBT GF
Contact Bearer Color, Side 2:	grey
Flammability Class (Contact Bearer), Side 2:	UL 94 V-2
Molded Body Material, Side 2:	TPE
Molded Body Color, Side 2:	blue
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Cu/Ni
O-Ring Material, Side 2:	FKM
Fastening Torque (Contact Screw), Side 2:	M 12x1 (60-65) Ncm, hand-tight

Approvals

UL-File:	E497237
UL:	UL 2237; cULus

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Oil Resistance:	Oil Res II
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Notes

Note Derating:	* Notice derating
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Variants

Item #	Item Description	Cable Length
934854007	RST 5L-RKT 5L-1031/54 M	
934853985	RST 5L-RKT 5L-1031/0,3 M	0.3 m
934853986	RST 5L-RKT 5L-1031/1 M	1 m
934853987	RST 5L-RKT 5L-1031/2 M	2 m
934853988	RST 5L-RKT 5L-1031/3 M	3 m
934853989	RST 5L-RKT 5L-1031/4 M	4 m
934853990	RST 5L-RKT 5L-1031/5 M	5 m
934853991	RST 5L-RKT 5L-1031/6 M	6 m
934853992	RST 5L-RKT 5L-1031/7 M	7 m
934853993	RST 5L-RKT 5L-1031/8 M	8 m
934853994	RST 5L-RKT 5L-1031/10 M	10 m
934853995	RST 5L-RKT 5L-1031/12 M	12 m
934853996	RST 5L-RKT 5L-1031/14 M	14 m
934853997	RST 5L-RKT 5L-1031/15 M	15 m
934853998	RST 5L-RKT 5L-1031/18 M	18 m
934853998	RST 5L-RKT 5L-1031/18 M	18 m
934853999	RST 5L-RKT 5L-1031/23 M	23 m
934854000	RST 5L-RKT 5L-1031/27 M	27 m
934854001	RST 5L-RKT 5L-1031/30 M	30 m
934854002	RST 5L-RKT 5L-1031/34 M	34 m
934854003	RST 5L-RKT 5L-1031/38 M	38 m
934854004	RST 5L-RKT 5L-1031/42 M	42 m
934854005	RST 5L-RKT 5L-1031/46 M	46 m
934854006	RST 5L-RKT 5L-1031/50 M	50 m
934854008	RST 5L-RKT 5L-1031/57 M	57 m
934854009	RST 5L-RKT 5L-1031/61 M	61 m

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