



**Product:** [RS 40-RKT 4L-996 P1](#) 

M12 Power | Cordset | Male Straight → Female Straight, 4-pin L-code, TPE  
(1.50 mm<sup>2</sup>) 16 AWG, 63 V / 9 A

## Product Description

M12 Power | Double-Ended Cordset | 7/8" Male Straight, #Contacts 4, L-code → M12 Female Straight, #Contacts 4, L-code | Cable: Yellow TPE; 1.50 mm<sup>2</sup> (16 AWG) | 63 V / 9 A

## Technical Specifications

### Product Description

Product Family:	Power Connector
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	63 V
Rated Voltage (UL):	63 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	60 V AC/DC
Current Rating:	9 A
Rated Current (UL)*:	9 A

### Technical Data Side 1

Side 1 Product Sub Family:	7/8"
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	Molded   7/8" Male   Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 30 °C to + 90 °C, notice derating
Protection Degree / IP Rating**:	IP65, IP67
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
Contact Base Material:	Copper Alloy (CuZn)
Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Thermoplastic Polyurethane (TPU)

Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Polyamide (PA)
Fastening Torque (Attachment):	7/8": (50-60) Ncm, hand-tight
Note:	1. Do not connect or disconnect under load.

## Cable Data

Cable Number:	996
Conductor Size:	1.50 mm <sup>2</sup>
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 4 x D
Minimal Bending Radius (Flexible Inst):	> 7.5 x D
Cycles (Bending):	> 2 Mio, max. 50 m/s <sup>2</sup>
Conductor Material:	Cu
Cable Jacket Material:	Thermoplastic Elastomer (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 8.7   0.342"
Wire Insulation Material:	Polyvinyl Chloride-Polyamide (PVC-PA)
Insulated Wire Diameter:	Ø 2.55 mm   0.100 "
Overall Shield (Cable):	Unshielded
Ambient Temperature (Fixed Installation):	- 40° C to + 90° C
Ambient Temperature (Flex Installation):	- 5° C to + 90° C
UL Cable Type:	NEC: TC-ER or AWM Style 20328
Flammability Class (Cable Jacket):	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test, FT4
Cable Characteristics:	Flexibility: Excellent   Abrasion Resistance: Good to Excellent   Oil & Chemical Resistance: Good, OIL RES II   UV Resistance: Good, SUN RES   Low Temp Performance: Good to Excellent (flexible to -40°C)   Flame Retardance: UL1685 FT4/IEEE 1202 Vertical Tray Flame Test   Halogen-Free: No   Mechanical Durability: Good to High (resists impact, tear, and flex)   Environmental Suitability: Outdoor, oily, wet, or rough environments

## Technical Data Side 2

Side 2 Product Sub Family:	M12 Power
Side 2 Type of Contact/Gender:	Socket Contact / Female
Connector Design, Side 2:	Molded   M12 Female   Straight
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	4
Coding, Side 2:	L
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 30 °C to + 90 °C, notice derating
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69K
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:	Copper Alloy (CuNi)
Contact Plating, Side 2:	Copper over Gold (Cu/Au)
Contact Bearer Material, Side 2:	Glass-filled Polybutylene Terephthalate (PBT GF)
Contact Bearer Color, Side 2:	Black

Flammability Class (Contact Bearer), Side 2:	UL 94 V-2
Molded Body Material, Side 2:	Thermoplastic Elastomer (TPE)
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel (Ni)
O-Ring Material, Side 2:	Fluoroelastomer (FKM)
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight
Note, Side 2:	1. Do not connect or disconnect under load.

## Approvals

UL-File:	E497237
UL:	UL 2237; cULus

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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## Resistances

Halogenfree:	No
Oil Resistance:	Oil Res II

## Notes

Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
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.

## Variants

Item #	Item Description	Cable Length
934638034	RS 40-RKT 4L-996/1 P1 12556	1 m

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