



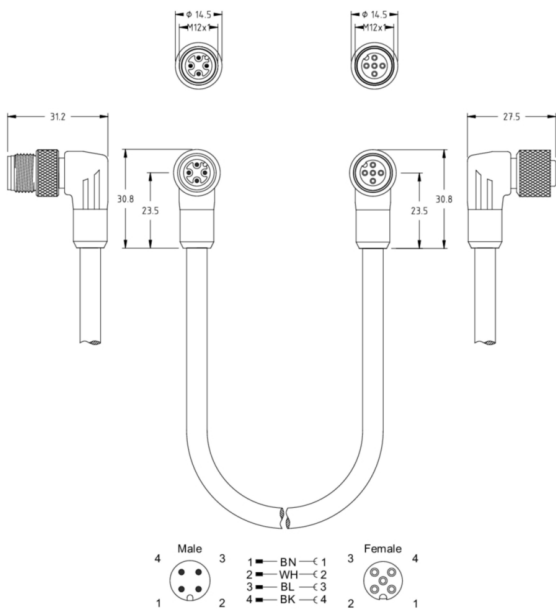
Product: [RSWT 4-RKWT 4-643](#)

M12 - Male 90° to Female 90° | #Contacts: 4 | 250 V | Cable TPE YE, 22 AWG, IEC | cURus

Product Description

M12 - Molded Cordset Male Angled to Female Angled | #Contacts: 4 | 250 V / 4 A | Cable TPE Yellow, 4x22 AWG, IEC | cURus 2238

Technical Drawing



Technical Specifications

Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	250 V
Rated Impulse Voltage:	2.5 kV
Rated Current*:	4 A

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Pin Contact / Male
Connector Design:	Angled (90°) Body
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding:	A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	Copper-Tin (CuSn)
Contact Plating:	Copper over Gold (Cu/Au)
Contact Bearer Material:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color:	Yellow
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Polyurethane (PUR)
Molded Body Color:	Yellow
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Brass (Cu/Zn)
Attachment Plating:	Nickel-plated (Ni)
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	643
Conductor Size:	22 AWG
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 7 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 M
Conductor material:	Cu
Cable Jacket Material:	Thermoplastic Elastomer (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 6.45 mm [0.254"]
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 1.83 mm [0.072"]
Ambient Temperature (Fixed Installation):	- 10 °C - + 105 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 105 °C
UL Cable Type:	PLTC
Flammability Class (Cable Jacket):	Jacket FT-4
Cable Characteristics:	Oil Resistant, C-Track rated

Technical Data Side 2

Product Sub Family, Side 2:	M12 Standard
Type of Contact / Gender, Side 2:	Socket Contact / Female
Connector Design, Side 2:	Angled (90°) Body
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	4
Coding, Side 2:	A
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
Operating Temperature (UL), Side 2:	max. + 50 °C

Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-101
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	Copper-Tin (CuSn)
Contact Plating, Side 2:	Copper over Gold (Cu/Au)
Contact Bearer Material, Side 2:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color, Side 2:	Yellow
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	Thermoplastic Polyurethane (TPU)
Molded Body Color, Side 2:	Yellow
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Brass (Cu/Zn)
Attachment Plating, Side 2:	Nickel-plated (Ni)
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Approvals

UL-File:	E104696
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Notes

Variants

Item #	Item Description	Cable Length
600006514	RSWT 4-RKWT 4-643/0.15M	0.15 m
600006792	RSWT 4-RKWT 4-643/5M	5 m

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