



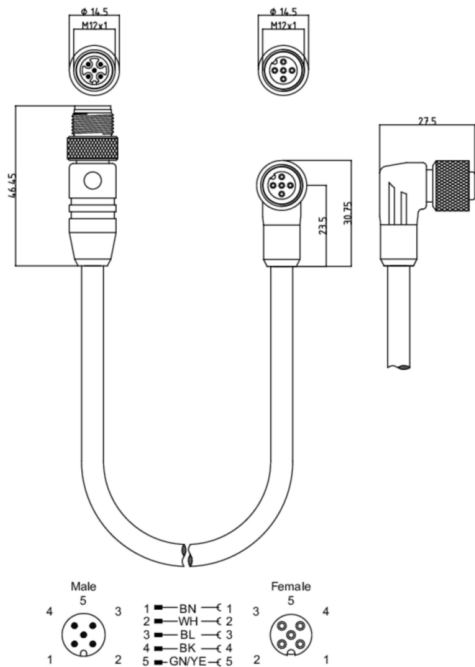
Product: [RST 5-RKWT 5-794](#) 

M12 - Male 0° to Female 90° | #Contacts: 5 | 30 V | Cable TPE YE, 18 AWG, IEC | cURus

Product Description

M12 - Molded Cordset Male Straight to Female Angled | #Contacts: 5 | 30 V / 4 A | Cable TPE Yellow, 5x18 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:	30 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:	Straight (0°) Body
Attachment Type:	Coupling Screw
Number of Pins:	5
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:	794
Conductor Size:	18 AWG
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	> 7 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Conductor material:	Cu
Cable Jacket Material:	Thermoplastic Elastomer (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 7.70 mm [0.304"]
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 2.03 mm [0.080"]
Ambient Temperature (Fixed Installation):	- 35 °C - + 105 °C
Ambient Temperature (Flex Installation):	+ 5 °C - + 105 °C
UL Cable Type:	PLTC
Flammability Class (Cable Jacket):	CSA 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:	5
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
600005537	RST 5-RKWT 5-794/0.5M	0.5 m
600005538	RST 5-RKWT 5-794/1M	1 m
600005539	RST 5-RKWT 5-794/1.5M	1.5 m
600005540	RST 5-RKWT 5-794/2M	2 m
600005541	RST 5-RKWT 5-794/3M	3 m
600005542	RST 5-RKWT 5-794/5M	5 m
600005543	RST 5-RKWT 5-794/7M	7 m
600005544	RST 5-RKWT 5-794/10M	10 m
600005545	RST 5-RKWT 5-794/15M	15 m
600005546	RST 5-RKWT 5-794/20M	20 m
600006487	RST 5-RKWT 5-794/0.6M	0.6 m
600006662	RST 5-RKWT 5-794/4M	4 m
600006663	RST 5-RKWT 5-794/6M	6 m
600006664	RST 5-RKWT 5-794/12M	12 m
600006665	RST 5-RKWT 5-794/25M	25 m
600006666	RST 5-RKWT 5-794/30M	30 m

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