lumbergautomation
A BELDEN BRAND



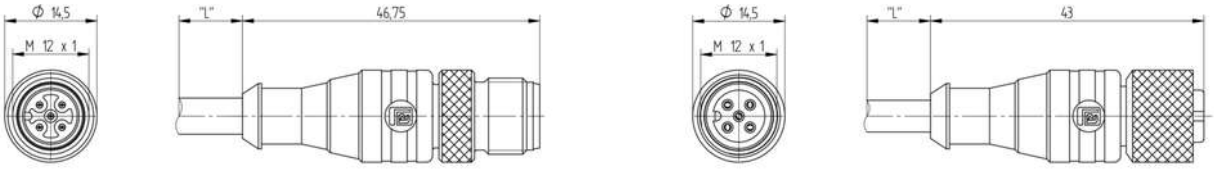
Product: RST 5-RKT 5-1008

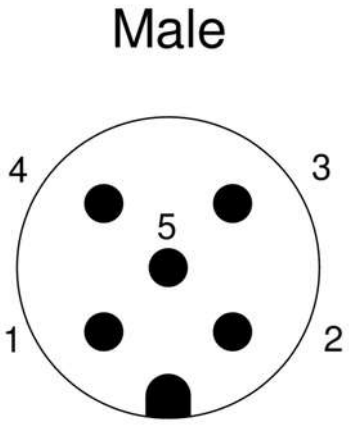
M12 to M12 cordset, Automotive Line, male to female, 5-pin, A-coded, straight to straight, PUR yellow cable, unshielded, IP67

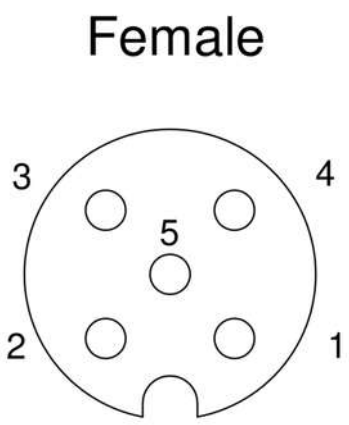
Product Description

M12 to M12 cordset connector, Automotive Line, high welding spark resistance, male to female, 5-pin, A-coded, straight to straight, PUR yellow cable (similar to RAL 1021), unshielded, AWM 20549, rated voltage 50 V AC / 60 V DC, rated current 4A, suited for IP67 environment

Technical Drawing







Technical Specifications

Face View Side 1

Pin 1	Pin 2	Pin 3	Pin 4
brown	white	blue	black

Product Description

Product Family:	Sensor / Actuator Connector

Brand:	Belden
Connector Type:	Cordset, double ended
Shielding:	Unshielded

Technical Data Side 1

Product Sub Family:	Automotive
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Nut
Number of Pins:	5
Coding:	A
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP67
Design Standard:	IEC 61076-2-101
Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	1008
Conductor Size:	0.34 mm²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	5 x D
Minimal Bending Radius (Flexible Inst):	10 x D
Cycles (Bending):	2 Mio.
Welding Resistance:	Welding spark resistant
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	yellow
Cable Diameter D:	Ø 5.70 ±0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	Ø 1.25 ±0.05 m
Ambient Temperature (Fixed Installation):	- 50 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT2
Cable Characteristics:	as a flexible, flame retardant, halogen-free control line with improved weld spark resistance in the industrial mechanical and plant engineering for high requirements, particularly for the employment in cable carriers and moved machine parts.

Technical Data Side 2

Product Sub Family, Side 2:	Automotive
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Coding, Side 2:	A
Attachment Material, Side 2:	CuZn

Approvals

UL:	cULus

Safety & Environmental Compliance

RoHS Compliant:	Yes

Resistances

Halogenfree:	Yes, acc. to IEC 60754-1

Notes

Note Derating:	Notice derating

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