

Product: [RKWT 4-1006](#)

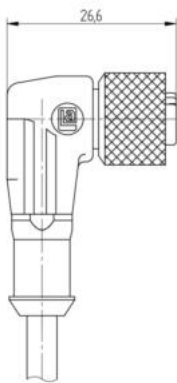
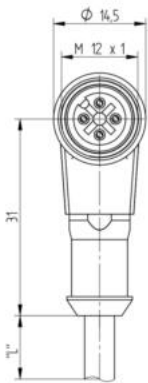


M12 pigtail, Automotive Line, female, 4-pin, A-coded, angled, PUR orange cable, unshielded, IP67

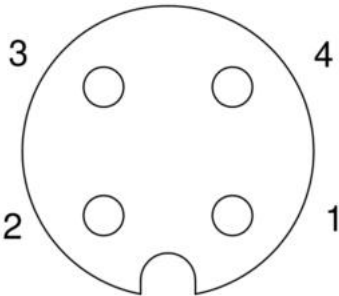
Product Description

M12 pigtail connector, Automotive Line, high welding spark resistance, female, 4-pin, A-coded, angled, PUR orange cable (similar to RAL 2003), unshielded, AWM 20549, rated voltage 250 V AC/DC, rated current 4A, suited for IP67 environment

Technical Drawing



Female



Technical Specifications

Face View

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

Technical Data

Product Family:	Sensor / Actuator Connector
Product Sub Family:	Automotive
Brand:	Belden
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Angled
Number of Pins:	4
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling Nut
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

Materials

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

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
--------------------------------	---------------------------------

Cable Data

Cable Number:	1006
Conductor Size:	0.34 mm²
Number of Wires:	4
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:	orange (similar to RAL 2003)
Cable Diameter D:	ø 5.30 ± 0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.25 ±0.05 mm
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:	flame retardant, halogen-free, drag chains

Approvals

UL:	cULus
-----	-------

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

Resistances

Halogenfree:	Yes, acc. to IEC 60754-1
--------------	--------------------------

Notes

Note Derating:	Notice derating
----------------	-----------------

© 2025 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.