

## METRIC MEASUREMENT VERSION

76203WS Multi-Conductor - 300V Foil/Spiral Shield, Continuous Flexing Data Applications Up to 6 Million Flex Life Cycles

For more Information  
please call

1-800-Belden1

**General Description:**

24 AWG stranded (10x34) tinned copper conductors, PVC insulation, Aluminum/Polyester Foil Shield, Tinned copper spiral shield, 90% coverage, oil-resistant PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	24	10x34	TC - Tinned Copper

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

Insulation Color Code Chart:

Number	Color
1	Black
2	Red
3	White

**Outer Shield**

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Aluminum/Mylar	100.000
2	Serve	TC - Tinned Copper	90.000

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

**Overall Cable**

Overall Nominal Diameter: 5.055 mm

**Mechanical Characteristics (Overall)**

Bulk Cable Weight:	38.693 Kg/Km
Max. Recommended Pulling Tension:	61.385 N
Min. Bend Radius/Minor Axis:	40.640 mm
Min. Bend/Installation:	40.640 mm
Min. Bend Radius (Continuous Flexing):	40.640 mm
Flex Cycle Rating:	6 Million Flexes

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
MII Order #39 (China RoHS):	Yes
Customer Part Number Reference Specification:	AWM/STYLE 10002, AWM/STYLE 2661, CSA AWM I/II A/B, EU Directive 2011/65/EU(RoHS2), REACH Regulation (EC 1907/2006), California Proposition 65

**Flame Test**

CSA Flame Test: FT4

**Suitability**

Suitability - Burial: Yes

**Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/m)
0.623

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 76203WS Multi-Conductor - 300V Foil/Spiral Shield, Continuous Flexing Data Applications Up to 6 Million Flex Life Cycles

#### Nom. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	104.992

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
95.149

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
21.983

#### Max. Operating Voltage - UL:

Voltage
300V

#### Notes (Overall)

**Notes:** Temperature Range -10 to 105°C(static), +5 to 105°C (dynamic)

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

Revision Number: 0    Revision Date: 09-27-2017

© 2017 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 herein 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 "AS IS" 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Belden Wire & Cable:

[76203WS 008500](#) [76203WS 0081000](#) [76203WS 008100](#)