

## METRIC MEASUREMENT VERSION

76102WS 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:

26 AWG stranded (7x33) 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
2	26	7x34	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

#### 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: 4.623 mm

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 31.252 Kg/Km

Max. Recommended Pulling Tension: 37.810 N

Min. Bend Radius/Minor Axis: 38.100 mm

Min. Bend/Installation: 38.100 mm

Min. Bend Radius (Continuous Flexing): 38.100 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

MIL 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. Characteristic Impedance:

Impedance (Ohm)
62.000

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#### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{m}$ )

0.656

#### Nom. Capacitance Conductor to Conductor:

Freq. (MHz) Capacitance (pF/m)

0.001

101.711

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

134.521

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

25.264

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

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