

## METRIC MEASUREMENT VERSION

**76212WS 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
12	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
4	Green
5	Orange
6	Blue
7	Brown
8	Yellow
9	Violet
10	Slate
11	Pink
12	Tan

#### 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: 8.306 mm

### Mechanical Characteristics (Overall)

Bulk Cable Weight:	89.292 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius/Minor Axis:	66.040 mm
Min. Bend/Installation:	66.040 mm
Min. Bend Radius (Continuous Flexing):	66.040 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

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### Flame Test

CSA Flame Test: FT4

### Suitability

Suitability - Burial: Yes

### Electrical Characteristics (Overall)

#### Nom. Inductance:

**Inductance (µH/m)**  
0.623

#### 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)**  
11.812

#### 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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