

## METRIC MEASUREMENT VERSION

**76205WS 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
5	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

#### 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: 5.715 mm

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 49.111 Kg/Km

Max. Recommended Pulling Tension: 92.078 N

Min. Bend Radius/Minor Axis: 45.720 mm

Min. Bend/Installation: 45.720 mm

Min. Bend Radius (Continuous Flexing): 45.720 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. Inductance:

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

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)**

16.733

**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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