

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

76003WS 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:

28 AWG stranded (7x36) 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	28	7x36	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: 4.572 mm

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 29.764 Kg/Km

Max. Recommended Pulling Tension: 36.920 N

Min. Bend Radius/Minor Axis: 35.560 mm

Min. Bend/Installation: 35.560 mm

Min. Bend Radius (Continuous Flexing): 35.560 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 ( $\mu\text{H}/\text{m}$ )
0.722

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#### Nom. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	82.025

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
216.546

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
24.936

#### 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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