

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

76004WS 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
4	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
4	Green

#### 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: 4.826 mm

### Mechanical Characteristics (Overall)

Bulk Cable Weight:	32.740 Kg/Km
Max. Recommended Pulling Tension:	44.482 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
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)
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0.722

**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)
21.655

**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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