

# Detailed Specifications & Technical Data



ENGLISH 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 (in.)
PVC - Polyvinyl Chloride	0.010

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 (in.)
PVC - Polyvinyl Chloride	0.040

### Overall Cable

Overall Nominal Diameter: 0.190 in.

## Mechanical Characteristics (Overall)

Bulk Cable Weight:	22 lbs/1000 ft.
Max. Recommended Pulling Tension:	10 lbs.
Min. Bend Radius/Minor Axis:	1.500 in.
Min. Bend/Installation:	1.500 in.
Min. Bend Radius (Continuous Flexing):	1.500 in.
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/III 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/ft)
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0.220

**Nom. Capacitance Conductor to Conductor:**

Freq. (MHz)	Capacitance (pF/ft)
0.001	25.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
66.000

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
6.600

**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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