

## ENGLISH MEASUREMENT VERSION

**76318WS 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:

22 AWG stranded (19x34) 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	Dia. (in.)
18	22	19x34	TC - Tinned Copper	0.032

#### 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
5	Orange
6	Blue
7	Brown
8	Yellow
9	Violet
10	Chrome
11	Pink
12	Tan
13	Red/Green
14	Red/Yellow
15	Red/Black
16	White/Black
17	White/Red
18	White/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: 0.367 in.

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 100 lbs/1000 ft.

Max. Recommended Pulling Tension: 115 lbs.

Min. Bend Radius/Minor Axis: 2.900 in.

Min. Bend/Installation: 2.900 in.

Min. Bend Radius (Continuous Flexing): 2.900 in.

Flex Cycle Rating: 6 Million Flexes

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

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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
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#### Suitability

Suitability - Burial:	Yes
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#### Electrical Characteristics (Overall)

##### Nom. Inductance:

Inductance (µH/ft)

0.170

##### Nom. Capacitance Conductor to Conductor:

Freq. (MHz) Capacitance (pF/ft)

0.001 38.000

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.500

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.800

##### 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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Revision Number: 0 Revision Date: 09-27-2017

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