

**76025WS 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

**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
25	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
5	Orange
6	Blue
7	Brown
8	Yellow
9	Violet
10	Slate
11	Pink
12	Tan
13	Red/Green
14	Red/Yellow
15	Red/Black
16	White/Black
17	White/Red
18	White/Green
19	White/Yellow
20	White/Blue
21	White/Brown
22	White/Orange
23	White/Slate
24	White/Violet
25	White/Black/Red

**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:

0.329 in.

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**Mechanical Characteristics (Overall):**

Bulk Cable Weight:	66 lbs/1000 ft.
Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius/Minor Axis:	2.600 in.
Min. Bend/Installation:	2.600 in.
Min. Bend Radius (Continuous Flexing):	2.600 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/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

<b>Inductance (µH/ft)</b>
0.220

Nom. Capacitance Conductor to Conductor

<b>Freq. (MHz)</b>	<b>Capacitance (pF/ft)</b>
0.001	25.000

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
67.000

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
3.100

Max. Operating Voltage - UL

<b>Voltage</b>
300V

**Notes (Overall):**

Notes	Temperature Range -10 to 105°C(static), +5 to 105°C (dynamic)
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