

METRIC MEASUREMENT VERSION

76002WS 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
2	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

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: 4.420 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight:	28.276 Kg/Km
Max. Recommended Pulling Tension:	30.693 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
MIL 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. Characteristic Impedance:

Impedance (Ohm)
70.000



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Nom. Inductance:

Inductance (µH/m)
0.722

Nom. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	88.587

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
216.546

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
24.279

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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