

76102WS 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:

26 AWG stranded (7x33) 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	26	7x34	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

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: 0.182 in.

Mechanical Characteristics (Overall)

Bulk Cable Weight: 21 lbs/1000 ft.

Max. Recommended Pulling Tension: 8.500 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

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)
62.000

ENGLISH MEASUREMENT VERSION

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Nom. Inductance:

Inductance (µH/ft)

0.200

Nom. Capacitance Conductor to Conductor:

Freq. (MHz) Capacitance (pF/ft)

0.001 31.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

41.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.700

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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