

METRIC MEASUREMENT VERSION

76312WS 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. (mm)
12	22	19x34	TC - Tinned Copper	0.813

Total Number of Conductors: 12

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

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

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: 9.322 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight:	119.056 Kg/Km
Max. Recommended Pulling Tension:	351.408 N
Min. Bend Radius/Minor Axis:	73.660 mm
Min. Bend/Installation:	73.660 mm
Min. Bend Radius (Continuous Flexing):	73.660 mm
Flex Cycle Rating:	6 Million Flexes

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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:

Inductance (μH/m)
0.558

Nom. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	124.678

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
50.856

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
9.187

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
76312WS 008100	100 FT	11.500 LB	GRAY		22 AWG/12 COND MINI DIAMETER
76312WS 0081000	1,000 FT	85.000 LB	GRAY		22 AWG/12 COND MINI DIAMETER
76312WS 008500	500 FT	44.500 LB	GRAY		22 AWG/12 COND MINI DIAMETER

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