

METRIC 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. (mm)
18	22	19x34	TC - Tinned Copper	0.813

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
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 (mm)
PVC - Polyvinyl Chloride	1.016

Overall Cable

Overall Nominal Diameter: 9.322 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight:	148.820 Kg/Km
Max. Recommended Pulling Tension:	511.543 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

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

METRIC MEASUREMENT VERSION

76318WS Multi-Conductor - 300V Foil/Spiral Shield, Continuous Flexing Data Applications Up to 6 Million Flex Life Cycles

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
-----------------	-----

Suitability

Suitability - Burial:	Yes
-----------------------	-----

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
--------	-------	-------------	-------	-------	-----------

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

© 2017 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.