

METRIC MEASUREMENT VERSION

76005WS 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
5	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
3	White
4	Green
5	Orange

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: 5.080 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight:	38.693 Kg/Km
Max. Recommended Pulling Tension:	44.482 N
Min. Bend Radius/Minor Axis:	40.640 mm
Min. Bend/Installation:	40.640 mm
Min. Bend Radius (Continuous Flexing):	40.640 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
MII Order #39 (China RoHS):	Yes

METRIC MEASUREMENT VERSION

76005WS Multi-Conductor - 300V Foil/Spiral Shield, Continuous Flexing Data Applications Up to 6 Million Flex Life Cycles

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)
0.722

Nom. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	82.025

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
216.546

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
22.639

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:

No put ups and colors are available for this product

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

© 2020 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.