

## METRIC MEASUREMENT VERSION

76302WS 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 |
|--------------|-----|-----------|--------------------|
| 2            | 22  | 19x34     | 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: 5.283 mm

**Mechanical Characteristics (Overall)**

|                                        |                  |
|----------------------------------------|------------------|
| Bulk Cable Weight:                     | 44.646 Kg/Km     |
| Max. Recommended Pulling Tension:      | 74.285 N         |
| Min. Bend Radius/Minor Axis:           | 43.180 mm        |
| Min. Bend/Installation:                | 43.180 mm        |
| Min. Bend Radius (Continuous Flexing): | 43.180 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:

| Description              | Impedance (Ohm) |
|--------------------------|-----------------|
| Characteristic Impedance | 45.000          |



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Nom. Inductance:

| Inductance (µH/m) |
|-------------------|
| 0.558             |

Nom. Capacitance Conductor to Conductor:

| Freq. (MHz) | Capacitance (pF/m) |
|-------------|--------------------|
| 0.001       | 141.083            |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 50.199              |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 19.030              |

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

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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