

METRIC MEASUREMENT VERSION

76107WS 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 |
|--------------|-----|-----------|--------------------|
| 7 | 26 | 7x34 | 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 |
| 6 | Blue |
| 7 | Brown |

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: 6.020 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight: 53.575 Kg/Km

Max. Recommended Pulling Tension: 90.743 N

Min. Bend Radius/Minor Axis: 48.260 mm

Min. Bend/Installation: 48.260 mm

Min. Bend Radius (Continuous Flexing): 48.260 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

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

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Electrical Characteristics (Overall)

Nom. Inductance:

| Inductance (µH/m) |
|-------------------|
| 0.656 |

Nom. Capacitance Conductor to Conductor:

| Freq. (MHz) | Capacitance (pF/m) |
|-------------|--------------------|
| 0.001 | 91.868 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 137.802 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 17.717 |

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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