

73603W Multi-Conductor - 600V Unshielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles



For more Information
please call

1-800-Belden1

General Description:

16 AWG stranded (26x30) bare copper conductors, PVC insulation, oil-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2 | 16 | 26x30 | BC - Bare Copper |

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 16

Ground Wire Stranding: 26x30

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: PVC - Polyvinyl Chloride

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.022 |

Insulation Color Code Chart:

| Color | Description |
|--------------|-----------------------|
| Black | Individually Numbered |
| Yellow/Green | Ground |

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.035 |

Overall Cable

Overall Nominal Diameter: 0.300 in.

Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +90°C

Installation Temperature Range: Flexing: -5°C To +90°C

Bulk Cable Weight: 106 lbs/1000 ft.

Max. Recommended Pulling Tension: 61 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

Min. Bend/Installation: 1.500 in.

Min. Bend Radius (Continuous Flexing): 1.500 in.

Flex Cycle Rating: 1 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification: UL Style 2587 (600 V 90°C)

CSA Specification: 600 V AWM I/II A/B

EU Directive 2011/65/EU (ROHS II): Yes

MIL Order #39 (China RoHS): Yes

Other Specification: VDE 0472, Section 803 Oil Test, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2), REACH Regulation (EC 1907/2006), California Proposition 65

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Flame Test

CSA Flame Test: FT1

Suitability

Suitability - Burial: Yes

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
0.180

Max. Capacitance Conductor to Conductor:

| Freq. (MHz) | Capacitance (pF/ft) |
|-------------|---------------------|
| 0.001 | 34.000 |

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.100

Max. Operating Voltage - UL:

Voltage
600V

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|---------------------------|
| 73603W 008100 | 100 FT | 12.300 LB | GRAY | | 16AWG 26/30 3C UNSHIELDED |
| 73603W 0081000 | 1,000 FT | 110.000 LB | GRAY | | 16AWG 26/30 3C UNSHIELDED |
| 73603W 008500 | 500 FT | 55.500 LB | GRAY | | 16AWG 26/30 3C UNSHIELDED |

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