

## 73804WS Multi-Conductor - 600V Shielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles



For more Information  
please call

1-800-Belden1

### General Description:

18 AWG stranded (16x30) bare copper conductors, PVC insulation, oil-resistant PVC inner jacket, tinned copper braid shield, 85% coverage, oil-resistant overall PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
3	18	16x30	BC - Bare Copper	1.194

Total Number of Conductors: 4

#### Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 18

Ground Wire Stranding: 16X30

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: PVC - Polyvinyl Chloride

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.559	2.311

##### Insulation Color Code Chart:

Color	Description
Black	Individually Numbered
Yellow/Green	Ground

#### Inner Jacket

##### Inner Jacket Material:

Inner Jacket Material	Nom Wall (mm)	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	0.762	7.264

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material	Coverage (%)
TC - Tinned Copper	85.000

Outer Shield Separator Material: Tissue Tape, 25#37; Overlap, Min.

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

#### Overall Cable

Overall Nominal Diameter: 9.754 mm

### Mechanical Characteristics (Overall)

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

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

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

Bulk Cable Weight: 273.829 Kg/Km

## METRIC MEASUREMENT VERSION

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<b>Max. Recommended Pulling Tension:</b>	262.444 N
<b>Min. Bend Radius/Minor Axis:</b>	48.768 mm
<b>Min. Bend/Installation:</b>	48.768 mm
<b>Min. Bend Radius (Continuous Flexing):</b>	48.768 mm
<b>Flex Cycle Rating:</b>	1 Million Flexes

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	THHN/THWN Singles
<b>AWM Specification:</b>	UL Style 2587 (600 V 90°C)
<b>CSA Specification:</b>	600 V AWM I/II A/B
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>Other Specification:</b>	AWM/STYLE 2587, AWM I/II A/B, FT1, 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

### Flame Test

<b>CSA Flame Test:</b>	FT1
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## Electrical Characteristics (Overall)

### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.623

### Nom. Capacitance Cond. to Other Cond. & Ground:

Description	Freq. (kHz)	Capacitance (pF/m)
Nom. Cond. to Cond	1.000	144.364
Nom. Ground.	1.000	259.199

### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
21.655

### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
7.415

## Put Ups and Colors:

No put ups and colors are available for this product

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