



For more Information  
please call

1-800-Belden1

## General Description:

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

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
6	18	16x30	BC - Bare Copper

Total Number of Conductors: 7

### 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)
PVC - Polyvinyl Chloride	0.559

**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 (mm)
PVC - Polyvinyl Chloride	0.889

### Overall Cable

Overall Nominal Diameter: 8.915 mm

## Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 250.018 Kg/Km

Max. Recommended Pulling Tension: 391.442 N

Min. Bend Radius/Minor Axis: 45.720 mm

Min. Bend/Installation: 45.720 mm

Min. Bend Radius (Continuous Flexing): 45.720 mm

Flex Cycle Rating: 1 Million Flexes

## 73807W Multi-Conductor - 600V Unshielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<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>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	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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#### Suitability

<b>Suitability - Burial:</b>	Yes
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.623

#### Max. Capacitance Conductor to Conductor:

<b>Freq. (MHz)</b>	<b>Capacitance (pF/m)</b>
0.001	101.711

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
21.983

#### Max. Operating Voltage - UL:

<b>Voltage</b>
600V

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73807W 008100	100 FT	20.100 LB	GRAY		18AWG 19/30 7C UNSHIELDED
73807W 0081000	1,000 FT	173.000 LB	GRAY		18AWG 19/30 7C UNSHIELDED
73807W 008500	500 FT	88.000 LB	GRAY		18AWG 19/30 7C UNSHIELDED

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