

## METRIC MEASUREMENT VERSION

**73805W 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:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	18	16x30	BC - Bare Copper

Total Number of Conductors: 5

#### 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: 8.280 mm

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 196.442 Kg/Km

Max. Recommended Pulling Tension: 280.237 N

Min. Bend Radius/Minor Axis: 40.640 mm

Min. Bend/Installation: 40.640 mm

Min. Bend Radius (Continuous Flexing): 40.640 mm

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

MII 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/m)**  
0.623

##### Max. Capacitance Conductor to Conductor:

Freq. (MHz)	Capacitance (pF/m)
0.001	101.711

##### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
21.983

##### Max. Operating Voltage - UL:

**Voltage**  
600V

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73805W 008100	100 FT	16.500 LB	GRAY		18AWG 19/30 5C UNSHIELDED
73805W 0081000	1,000 FT	136.000 LB	GRAY		18AWG 19/30 5C UNSHIELDED
73805W 008500	500 FT	70.000 LB	GRAY		18AWG 19/30 5C UNSHIELDED

Revision Number: 0    Revision Date: 09-27-2017

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