

73802W 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
2	18	16x30	BC - Bare Copper

Insulation

Insulation Material:

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

Insulation Color Code Chart:

Color	Description
Black	Individually Numbered

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: 0.258 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	66 lbs/1000 ft.
Max. Recommended Pulling Tension:	25 lbs.
Min. Bend Radius/Minor Axis:	1.300 in.
Min. Bend/Installation:	1.300 in.
Min. Bend Radius (Continuous Flexing):	1.300 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
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

Flame Test

CSA Flame Test: FT1

Suitability

Suitability - Burial: Yes

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
74.000

Nom. Inductance:

ENGLISH MEASUREMENT VERSION

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Inductance (µH/ft)

0.190

Max. Capacitance Conductor to Conductor:
Freq. (MHz) Capacitance (pF/ft)

0.001 31.000

Nom. Conductor DC Resistance:
DCR @ 20°C (Ohm/1000 ft)

6.700

Max. Operating Voltage - UL:
Voltage

600V

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
73802W 008100	100 FT	9.500 LB	GRAY		18AWG 19/30 2C UNSHIELDED
73802W 0081000	1,000 FT	70.000 LB	GRAY		18AWG 19/30 2C UNSHIELDED
73802W 008500	500 FT	35.500 LB	GRAY		18AWG 19/30 2C UNSHIELDED

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