

## METRIC MEASUREMENT VERSION

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 (mm)
PVC - Polyvinyl Chloride	0.559

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 (mm)
PVC - Polyvinyl Chloride	0.889

**Overall Cable**

Overall Nominal Diameter: 6.553 mm

**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	98.221 Kg/Km
Max. Recommended Pulling Tension:	111.205 N
Min. Bend Radius/Minor Axis:	33.020 mm
Min. Bend/Installation:	33.020 mm
Min. Bend Radius (Continuous Flexing):	33.020 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

**Flame Test**

CSA Flame Test: FT1

**Suitability**

Suitability - Burial: Yes

**Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)
74.000

Nom. Inductance:



METRIC MEASUREMENT VERSION

73802W Multi-Conductor - 600V Unshielded, Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles

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
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

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

© 2017 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.  
Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.  
All sales of Belden products are subject to Belden's standard terms and conditions of sale.