

METRIC MEASUREMENT VERSION

73812W 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
11	18	16x30	BC - Bare Copper

Total Number of Conductors: 12

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	1.092

Overall Cable

Overall Nominal Diameter: 11.938 mm

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	565.516 Kg/Km
Max. Recommended Pulling Tension:	671.678 N
Min. Bend Radius/Minor Axis:	60.960 mm
Min. Bend/Installation:	60.960 mm
Min. Bend Radius (Continuous Flexing):	60.960 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
MIL 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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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
73812W 008100	100 FT	33.500 LB	GRAY		18AWG 19/30 12C UNSHIELDED
73812W 0081000	1,000 FT	294.000 LB	GRAY		18AWG 19/30 12C UNSHIELDED
73812W 008500	500 FT	149.000 LB	GRAY		18AWG 19/30 12C UNSHIELDED

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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