

77607W Multi-Conductor - 600V Unshielded, Continuous Flexing Applications Up to 14 Million Flex Life Cycles



For more Information
please call

1-800-Belden1

General Description:

16 AWG stranded (168x38) bare copper conductors, PVC insulation, oil-resistant overall PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
6	16	168x38	BC - Bare Copper	0.067

Total Number of Conductors: 7

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	16
Ground Wire Stranding:	168x38
Ground Wire Conductor Material:	BC - Bare Copper
Ground Wire Insulation Material:	PVC - Polyvinyl Chloride

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	0.022	0.111

Insulation Color Code Chart:

Color	Description
Red	Individually Numbered
Yellow/Green	Ground

Outer Shield

Outer Shield Separator Material: Tissue Tape, 25% Overlap, Min.

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.040

Overall Cable

Overall Nominal Diameter: 0.478 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +90°C
Installation Temperature Range:	Flexing: -5°C To +90°C
Operating Temperature Range:	Flexing: -5°C To +90°C
Bulk Cable Weight:	320 lbs/1000 ft.
Max. Recommended Pulling Tension:	148 lbs.
Min. Bend Radius/Minor Axis:	3.800 in.
Min. Bend/Installation:	3.800 in.
Min. Bend Radius (Continuous Flexing):	3.800 in.
Flex Cycle Rating:	14 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	THHN/THWN Singles
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
Other Specification:	AWM/STYLE 10012, AWM/STYLE 2587, AWM I/II A/B, FT1, 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

ENGLISH MEASUREMENT VERSION

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Flame Test

CSA Flame Test: FT1

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
0.180

Nom. Capacitance Cond. to Other Cond. & Ground:

Description	Freq. (kHz)	Capacitance (pF/ft)
Nom. Cond. to Cond	1.000	34.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.100

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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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