



Product: [1030A](#)

Inst, 1 Pr #16 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC, ITC, CMG

[Request Sample](#)

Product Description

UL Instrumentation, 1 Pair 16AWG (7x24) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC ITC CMG SUN RES

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	16 AWG	7x24	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.091 in (2.3 mm)	ICEA Chart E1

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.259 in (6.58 mm)	Yes

Overall Cable Diameter (Nominal):	0.259 in (6.58 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	4.2 Ohm/1000ft	61 pF/ft (200 pF/m)	114 pF/ft (374 pF/m)	18 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
300 V (PLTC, CMG, AWM 2464), 150 V (ITC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

Bend Radius

Stationary Min.	Installation Min.

3.1 in (79 mm) 3.1 in (79 mm)

Max. Pull Tension: 94 lbs (43 kg)

Bulk Cable Weight: 40 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance

Flammability / Reaction to Fire: UL 1685 FT4 Loading, FT4, IEEE 1202 FT4

NEC / UL Compliance: Article 725, Article 727, Article 800, CMG, ITC, PLTC

AWM Compliance: AWM 2464

CEC / C(UL) Compliance: CMG

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

APAC Compliance: China RoHS II (GB/T 26572-2011)

History

Update and Revision: Revision Number: 0.560 Revision Date: 04-14-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
1030A 01020000	Black			612825104773	
1030A.00305	Black	Reel	305 m	8719605000002	
1030A 0101000	Black	Reel	1,000 ft	612825104759	C
1030A 0105000	Black	Reel	5,000 ft	612825104780	C Z
1030A 01010000	Black	Reel	10,000 ft	612825104766	C Z
1030A 0061000	Blue, Light	Reel	1,000 ft	612825104728	C
1030A 0065000	Blue, Light	Reel	5,000 ft	612825104742	
1030A 00610000	Blue, Light	Reel	10,000 ft	612825104735	C

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