



Product: [1030A](#)

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

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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	Number of Element	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: 0.531 Revision Date: 01-04-2023

Part Numbers

Variants

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

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