



**Part Number:** 1030A

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

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
16	7x24	BC - Bare Copper	1

Total Number of Pairs:	1
Conductor Size:	16 AWG

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.091 in	0.017 in

**Color Chart**

Number	Color
Pair 1	ICEA S-73-732 Table E1: Black & White

**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	18	7x26 mm

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.259 in	0.037 in	Yes

**Construction and Dimensions**

**Stranding**

Twists
4 twist/ft

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
3.7 Ohm/1000ft	5.1 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
61 pF/ft	114 pF/ft

**Inductance**

Nominal Inductance
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0.190 µH/ft

#### Current

##### Max. Recommended Current [A]

11 Amps per Conductor @ 25°C

#### Voltage

##### UL Description | UL Voltage Rating

PLTC	300 V RMS (PLTC)
CMG	300 V RMS (CMG)

#### Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

#### Mechanical Characteristics

Bulk Cable Weight:	42.3 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.6 in

#### Standards

NEC/(UL) Specification:	ITC-ER, PLTC-ER, CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 80°C)

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 Vertical Tray
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	UPC	Length	Footnote
1030A.00305	Black		305 m	
1030A 0101000	Black	612825104759	1,000 ft	C
1030A 01010000	Black	612825104766	10,000 ft	C Z
1030A 0105000	Black	612825104780	5,000 ft	C Z

1030A.K0305	Black		305 m	
1030A 01020000	Black	612825104773		
1030A 0061000	Blue, Light	612825104728	1,000 ft	C
1030A 00610000	Blue, Light	612825104735	10,000 ft	C
1030A 0065000	Blue, Light	612825104742	5,000 ft	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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