



Product: [1030A](#)

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Total Number of Pairs: 1

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	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	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	18	7x26

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
4.2 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

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
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LS0H, 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	Putup Type	Length	UPC/EAN
1030A 0102000	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

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.

History

Update and Revision:	Revision Number: 0.338 Revision Date: 05-11-2020
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