Belden



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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	16 AWG	7x20	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)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Pair(s)	4.2 Ohm/1000ft (14 Ohm/km)	61 pF/ft (200 pF/m)	114 pF/ft (374 pF/m)	0.190 µH/ft (0.623 µH/m)	18 Amps per conductor @ 30°C

Nom Outer Shield DCR:	5.68 Ohm/1000ft (18.6 Ohm/km)

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 (60 kg/km)

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, CL3
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: 0.719 Revision Date: 04-13-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
1030A 01020000	Black			612825104773	
1030A.00305	Black	Reel	305 m	8719605000002	
1030A.K0305	Black	Reel	305 m	8719605000019	
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

Footnote:	C - CRATE REEL PUT-UP., 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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