



**Product:** [1032A](#)

Inst, 1 Pr #18 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC ITC CMG

[Request Sample](#)

### Product Description

UL Instrumentation, 1 Pair 18AWG (7x26) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC ITC CMG AWM 2464 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	18 AWG	7x26	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.080 in (2.0 mm)	ICEA Chart E1

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.237 in (6.02 mm)	Yes

Overall Cable Diameter (Nominal):	0.237 in (6.02 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)	5.86 Ohm/1000ft	51 pF/ft (170 pF/m)	95 pF/ft (310 pF/m)	14 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.

2.8 in (71 mm)	2.8 in (71 mm)
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Max. Pull Tension:	58 lbs (26 kg)
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Bulk Cable Weight:	30 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
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Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEEE 1202 FT4
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NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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AWM Compliance:	AWM 2464
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CEC / C(UL) Compliance:	CMG
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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)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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## History

Update and Revision:	Revision Number: 0.549 Revision Date: 04-14-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1032A 0101000	Black	Reel	1,000 ft	612825104988	C
1032A 01010000	Black	Reel	10,000 ft	612825104995	C Z
1032A 0061000	Blue, Light	Reel	1,000 ft	612825104957	C
1032A 0065000	Blue, Light	Reel	5,000 ft	612825104971	C Z
1032A 00610000	Blue, Light	Reel	10,000 ft	612825104964	C

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