



**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)	Nom. Inductance	Max. Current
Pair(s)	5.86 Ohm/1000ft	51 pF/ft (170 pF/m)	95 pF/ft (310 pF/m)	0.19 µH/ft (0.62 µH/m)	14 Amps per conductor @ 30°C

Nom Outer Shield DCR:	12.8 Ohm/1000ft (42.0 Ohm/km)
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#### 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)

Max. Pull Tension:	58 lbs (26 kg)
Bulk Cable Weight:	30 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, 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: 0.699 Revision Date: 09-07-2025
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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

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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