



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

Inst, 1 Pr #18 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER 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-ER ITC-ER 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	Number of Element	Size	Stranding	Material
Pair(s)	1	18 AWG	7x26	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black, White

#### 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 (19.2 Ohm/km)	51 pF/ft (170 pF/m)	95 pF/ft (310 pF/m)	8 Amps per conductor @ 25°C
'Stranding@Conductor1'	14.7 Ohm/1000ft (48.2 Ohm/km)			

#### Voltage

UL Voltage Rating
300 V (CMG, PLTC-ER, UL AWM 2464), 150 V (ITC-ER)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

#### Bend Radius

Stationary Min.	Installation Min.
2.4 in (61 mm)	2.4 in (61 mm)

Max. Pull Tension:	26 lbs (12 kg)
Bulk Cable Weight:	30 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, IEEE 1202 FT4
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, PLTC-ER, ITC-ER
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.387 Revision Date: 04-08-2022
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Part Numbers

Variants

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

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