



**Product:**

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

**Product Description**

UL Instrumentation, 1 Triad 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, ...), RTD, 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
Triad(s)	1	18 AWG	7x26	BC - Bare Copper

**Insulation**

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

**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)	0.266 in (6.76 mm)	Yes

Overall Cable Diameter (Nominal):	0.266 in (6.76 mm)
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**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond
Triad(s)	5.86 Ohm/1000ft (19.2 Ohm/km)	50 pF/ft (160 pF/m)

**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.

2.7 in (69 mm) | 2.7 in (69 mm)

Max. Pull Tension: 81 lbs (37 kg)

Bulk Cable Weight: 38 lbs/1000ft

**CORPELIMA**

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.383 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
1036A 0101000	Black	Reel	1,000 ft	612825105152
1036A 0105000	Black	Reel	1,000 ft	612825105176
1036A 01010000	Black	Reel	10,000 ft	612825105169
1036A 0061000	Blue, Light	Reel	1,000 ft	612825105121
1036A 0065000	Blue, Light	Reel	5,000 ft	612825105145
1036A 00610000	Blue, Light	Reel	10,000 ft	612825105138

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