



**Product:** [1031A](#)

Inst, 1 Tri #16 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

[Request Sample](#)

## Product Description

UL Instrumentation, 1 Triad 16AWG (7x24) 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	AWG	Stranding	Material
Triad(s)	1	16	7x24	BC - Bare Copper

#### Insulation

Element	Material	Thickness [in]	Color Code
Triad(s)	PVC - Polyvinyl Chloride	0.016	Black, White, Red

#### Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	18 AWG (7x26) TC

#### Outer Jacket Material

Material	Thickness	Diameter	Ripcord
PVC - Polyvinyl Chloride	0.042 in	0.299 in	Yes

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
Pair(s)	3.7 Ohm/1000ft	54.1 pF/ft	97.3 pF/ft

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Stationary Min.
2.9 in

Max. Pull Tension:	61 lbs
Bulk Cable Weight:	58.3 lbs/1000ft

## Standards and Compliance

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

## History

Update and Revision:	Revision Number: 0.338 Revision Date: 06-09-2020
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