



REPRESENTATIVE IMAGE

**Product:** [1035A](#)

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

Request Sample

## Product Description

UL Instrumentation, 1 Pair 16AWG (7x24) Bare Copper, PVC Insulation E1 Color Code, 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	AWG	Stranding	Material
Pair(s)	1	16	7x24	BC - Bare Copper

#### Insulation

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

#### Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in	0.256 in	Yes

Cable Diameter (Nominal): 0.256 in

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR
Pair(s)	3.7 Ohm/1000ft

#### Voltage

UL Voltage Rating
300 V (CMR, CL3, 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.	Installation Min.
2.6 in	2.6 in

Max. Pull Tension: 71 lbs

Bulk Cable Weight: 34 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 (FT4 Loading), FT4, 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, CL3, PLTC-ER, ITC-ER
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.354 Revision Date: 09-30-2020
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