



Product: [1485A](#)

Inst, 8 Pr #16+22 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

[Request Sample](#)

Product Description

UL Instrumentation, 8 Pair 16+22AWG (7x24+7x30) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES DIR BUR

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)	8	16	7x24	BC - Bare Copper
Comm Wire	1	22	7x30	BC - Bare Copper

Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017	Black, White and Numbered
Comm Wire	PVC - Polyvinyl Chloride	0.019	Orange

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	16 AWG (7x24) TC

Outer Jacket Material

Material	Thickness	Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in	0.646 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
Pair(s)	3.67 Ohm/1000ft
Comm Wire	14.7 Ohm/1000ft

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

6.25 in

Max. Pull Tension: 607 lbs

Bulk Cable Weight: 242 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor, Outdoor, Sunlight Resistance, Burial

Flammability / Fire Resistance: UL1685 UL 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 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: 0.336 Revision Date: 06-09-2020

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