



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 |
|------------------------|---|

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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- Техническая поддержка проекта;
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