



**Product:** [1036A](#)

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

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## 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 |
|------------------------|--|

### Construction Details

#### Conductor

| Element  | Number of Element | AWG | Stranding | Material         |
|----------|-------------------|-----|-----------|------------------|
| Triad(s) | 1                 | 18  | 7x26      | BC - Bare Copper |

#### Insulation

| Element  | Material                 | Thickness [in.] | Color Code        |
|----------|--------------------------|-----------------|-------------------|
| Triad(s) | PVC - Polyvinyl Chloride | 0.017           | Black, White, Red |

#### Outer Shield Material

| Shield Type | Material    | Coverage | Drainwire Type   |
|-------------|-------------|----------|------------------|
| Tape        | Alum / Poly | 100%     | 20 AWG (7x28) TC |

#### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in  | 0.266 in      | Yes     |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.266 in |
|---------------------------|----------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond |
|---------|--------------------|-------------------------------|
| Pair(s) | 5.86 Ohm/1000ft    | 50 pF/ft                      |

|                       |                 |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 5.07 Ohm/1000ft |
|-----------------------|-----------------|

#### 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. | Installation Min. |
|-----------------|-------------------|
| 2.5 in          | 2.7 in            |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 81 lbs        |
| Bulk Cable Weight: | 38 lbs/1000ft |

## Standards and Compliance

|                                 |   |
|---------------------------------|---|
| Environmental Suitability:      | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial                  |
| Flammability / Fire Resistance: | UL1685 (FT4 Loading), FT4, 1202   |
| NEC / UL Compliance:            | Article 725, Article 727, 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) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.351 Revision Date: 07-31-2020 |
|----------------------|--|

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