



REPRESENTATIVE IMAGE

Product: [1036A](#)

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

[Request Sample](#)

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

Insulation

| Element | Material | Nom. Thickness | Color Code |
|----------|--------------------------|--------------------|-------------------|
| Triad(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | Black, White, Red |

Outer Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.266 in (6.76 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.266 in (6.76 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond |
|----------|-------------------------------|-------------------------------|
| Triad(s) | 5.86 Ohm/1000ft (19.2 Ohm/km) | 50 pF/ft (160 pF/m) |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -30°C to +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|----------------|----------------|
| 2.7 in (69 mm) | 2.7 in (69 mm) |
|----------------|----------------|

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

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL1685 (FT4 Loading), FT4, IEEE 1202 FT4 |
| NEC / UL Compliance: | Article 725, Article 727, Article 800, CMG, PLTC-ER, ITC-ER |
| AWM Compliance: | AMW 2464 |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.381 Revision Date: 01-13-2022 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|-------------|------------|-----------|--------------|
| 1036A 0101000 | Black | Reel | 1,000 ft | 612825105152 |
| 1036A 0105000 | Black | Reel | 1,000 ft | 612825105176 |
| 1036A 01010000 | Black | Reel | 10,000 ft | 612825105169 |
| 1036A 0061000 | Blue, Light | Reel | 1,000 ft | 612825105121 |
| 1036A 0065000 | Blue, Light | Reel | 5,000 ft | 612825105145 |
| 1036A 00610000 | Blue, Light | Reel | 10,000 ft | 612825105138 |

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