Belden



# Product: 3043AE

Inst, 2 Pr #16+22 Str BC, PVC-Nylon Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

## Product Description

UL Instrumentation, 2 Pair 16+22AWG (7x24+7x30) Bare Copper, PVC-Nylon 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: | Exposed Runs, Hazardous Locations,PLC,4-20ma |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 8 | 16 | 7x24 | BC - Bare Copper |
| Comm Wire(s) | 1 | 22 AWG | 7x30 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Pair(s) | PVC/Nylon - Polyvinyl Chloride + Nylon | 0.017 in (0.43 mm) | 0.091 in (2.3 mm) | Black & White and Numbered 1, Black & White and Numbered 2, Orange (Communication Wire) |
| Comm Wire(s) | PVC - Polyvinyl Chloride | | 0.066 in (1.7 mm) | Orange |

**Inner Shield**

| Element | Shield Type | Material |
|---|---|---|
| | Tape | Bi-Laminate (Alum+Poly) |
| Comm Wire(s) | No Shield | |

**Outer Shield**

| Shield Type | Material |
|---|---|
| Tape | Bi-Laminate (Alum+Poly) |

**Outer Jacket**

| Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|
| 0.050 in (1.3 mm) | 0.489 in (12.4 mm) | Yes |

### Electrical Characteristics

**Electricals**

| Element |
|---|
| Comm Wire(s) |

**Voltage**

| UL Voltage Rating |
|---|
| (TC) |

### Mechanical Characteristics

**Temperature**

| Operating |
| --- |
| -30°C To +105°C |

## Standards and Compliance

| | |
| --- | --- |
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL 1685 UL Loading |
| NEC / UL Compliance: | CMG, PLTC-ER, ITC-ER |
| AWM Compliance: | AWM 2464 |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

## History

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| --- | --- |
| Update and Revision: | Revision Number: 0.9 Revision Date: 10-30-2026 |

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