




Product: [1060A](#) 

Inst, 24 Pr #20+22 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER
ITC-ER CMG

 [Request Sample](#)

Product Description

UL Instrumentation, 24 Pair 20+22AWG (7x28) 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, ...), 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) | 24 | 20 | 7x28 | BC - Bare Copper |
| Comm Wire | 1 | 22 | 7x30 | BC - Bare Copper |

Insulation

| Element | Material | Thickness [in] | Color Code |
|-----------|--------------------------|----------------|---------------------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.018 | Black, White and Numbered |
| Comm Wire | PVC - Polyvinyl Chloride | 0.019 | Orange |

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Diameter | Ripcord |
|--------------------------|-----------|----------|---------|
| PVC - Polyvinyl Chloride | 0.063 in | 0.838 in | Yes |

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|-----------|--------------------|-------------------------------|------------------------------|
| Pair(s) | 9.5 Ohm/1000ft | 30 pF/ft | 3 Amps per Conductor at 25°C |
| Comm Wire | 14.7 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. |
|-----------------|
| 8.25 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 695 lbs |
| Bulk Cable Weight: | 343 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, T-29-520, 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 |
|----------------------|--|

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.