



**Product:** [1056A](#) 

Inst, 4 Pr #20+22 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER  
ITC-ER CMG

 [Request Sample](#)

**Product Description**

UL Instrumentation, 4 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**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material         | No. of Conductors | No. of Pairs |
|-----|-----------|------------------|-------------------|--------------|
| 20  | 7x28      | BC - Bare Copper |                   | 4            |
| 22  | 7x30      | BC - Bare Copper | 1                 |              |

|                        |   |
|------------------------|---|
| Conductor Count:       | 9 |
| Total Number of Pairs: | 4 |

**Insulation**

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.0175 in              |
| PVC - Polyvinyl Chloride | 0.019 in               |

**Color Chart**

| Number | Color                        |
|--------|------------------------------|
| 1      | Black & White and Numbered 1 |
| 2      | Black & White and Numbered 2 |
| 3      | Black & White and Numbered 3 |
| 4      | Black & White and Numbered 4 |
| 5      | Orange                       |

**Outer Shield Material**

| Type | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 20            | 7x28                         |

**Outer Jacket Material**

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.405 in         | 0.042 in               | Yes     |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 9.5 Ohm/1000ft        | 11 Ohm/1000ft            |

**Capacitance**

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|-----------------------------------------|--------------------------------------|
| 30 pF/ft                                | 55 pF/ft                             |

**Inductance**

| Nominal Inductance |
|--------------------|
| 0.19 µH/ft         |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |
| 150 V RMS (ITC)   |

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -30°C To +105°C |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 86 lbs/1000ft |
| Max Recommended Pulling Tension: | 135 lbs       |
| Min Bend Radius/Minor Axis:      | 3.8 in        |

Standards

|                          |                      |
|--------------------------|----------------------|
| NEC Articles:            | 800                  |
| NEC/(UL) Specification:  | CMG, ITC-ER, PLTC-ER |
| CEC/C(UL) Specification: | CMG                  |
| UL AWM Style:            | 2464                 |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Indoor:              | Yes |
| Suitability - Outdoor:             | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LS0H, Toxicity Testing

|                     |                    |
|---------------------|--------------------|
| C(UL) Flammability: | FT4                |
| UL Flammability:    | UL1685 FT4 Loading |
| IEEE Flammability:  | 1202               |
| UL voltage rating:  | 300 V RMS          |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item #         | Color | Putup Type | Length    | UPC          |
|----------------|-------|------------|-----------|--------------|
| 1056A 01010000 | Black | Reel       | 10,000 ft | 612825105541 |

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| Footnote: | C - CRATE REEL PUT-UP.                                                                                           |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.319 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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