



Part Number: 1030A

Inst, 1 Pr #16 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER, ITC-ER, CMG

[Request Sample](#)

Product Description

UL Instrumentation, 1 Pair 16AWG (7x24) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER CMG SUN RES

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|------------------|--------------|
| 16 | 7x24 | BC - Bare Copper | 1 |

| | |
|------------------------|--------|
| Total Number of Pairs: | 1 |
| Conductor Size: | 16 AWG |

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.091 in | 0.017 in |

Color Chart

| Number | Color |
|--------|---------------------------------------|
| Pair 1 | ICEA S-73-732 Table E1: Black & White |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 18 | 7x26 mm |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.259 in | 0.037 in | Yes |

Construction and Dimensions

Stranding

| Twists |
|------------|
| 4 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 3.7 Ohm/1000ft | 5.1 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 61 pF/ft | 114 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
|--------------------|

0.190 µH/ft

Current

Max. Recommended Current [A]

11 Amps per Conductor @ 25°C

Voltage

UL Description | UL Voltage Rating

| | |
|------|------------------|
| PLTC | 300 V RMS (PLTC) |
| CMG | 300 V RMS (CMG) |

Temperature Range

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

Mechanical Characteristics

| | |
|----------------------------------|-----------------|
| Bulk Cable Weight: | 42.3 lbs/1000ft |
| Max Recommended Pulling Tension: | 40 lbs |
| Min Bend Radius/Minor Axis: | 2.6 in |

Standards

| | |
|--------------------------|----------------------------|
| NEC/(UL) Specification: | ITC-ER, PLTC-ER, CMG |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | UL Style 2464 (300 V 80°C) |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2003/96/EC (BFR): | 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 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|----------------------|
| UL Flammability: | UL1685 Vertical Tray |
| CSA Flammability: | FT4 |
| IEEE Flammability: | 1202 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|----------------|-------|--------------|-----------|----------|
| 1030A.00305 | Black | | 305 m | |
| 1030A 0101000 | Black | 612825104759 | 1,000 ft | C |
| 1030A 01010000 | Black | 612825104766 | 10,000 ft | C Z |
| 1030A 0105000 | Black | 612825104780 | 5,000 ft | C Z |

| | | | | |
|----------------|-------------|--------------|-----------|---|
| 1030A.K0305 | Black | | 305 m | |
| 1030A 01020000 | Black | 612825104773 | | |
| 1030A 0061000 | Blue, Light | 612825104728 | 1,000 ft | C |
| 1030A 00610000 | Blue, Light | 612825104735 | 10,000 ft | C |
| 1030A 0065000 | Blue, Light | 612825104742 | 5,000 ft | |

| | |
|-----------|--|
| 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: 0.310 Revision Date: 07-26-2019 |
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