# Detailed Specifications & Technical Data

**ENGLISH MEASUREMENT VERSION**

## 1032A Multi-Conductor - 300V Power-Limited Tray Cable

For more Information
please call

1-800-Belden1

## General Description:

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---|---|---|---|
| 1 | 18 | 7x26 | BC - Bare Copper |

**Total Number of Conductors:** 2

### Insulation

**Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|---|---|
| PVC - Polyvinyl Chloride | 0.016 |

### Outer Shield

**Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---|---|---|---|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|---|---|---|
| 20 | 7x28 | TC - Tinned Copper |

### Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|---|---|
| PVC - Polyvinyl Chloride | .037 |

**Outer Jacket Ripcord:** Yes

### Overall Cable

**Overall Nominal Diameter:** 0.233 in.

### Pair

**Pair Color Code Chart:**

| Number | Color |
|---|---|
| 1 | Black & White |

**Pair Lay Length & Direction:**

| Lay Length (in.) | Twists (twist/ft) |
|---|---|
| 2.000 | 6.000 |

## Mechanical Characteristics (Overall)

| | |
|---|---|
| **Operating Temperature Range:** | -30°C To +105°C |
| **Bulk Cable Weight:** | 32.500 lbs/1000 ft. |
| **Max. Recommended Pulling Tension:** | 26 lbs. |
| **Min. Bend Radius/Minor Axis:** | 2.300 in. |

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

| | |
|---|---|
| **NEC/(UL) Specification:** | CMG, ITC, PLTC |
| **CEC/C(UL) Specification:** | CMG |
| **AWM Specification:** | UL Style 2464 (300 V 80°C) |
| **EU CE Mark:** | Yes |
| **EU Directive 2000/53/EC (ELV):** | Yes |
| **EU Directive 2002/95/EC (RoHS):** | Yes |
| **EU RoHS Compliance Date (mm/dd/yyyy):** | 04/01/2005 |
| **EU Directive 2002/96/EC (WEEE):** | Yes |
| **EU Directive 2003/11/EC (BFR):** | Yes |
| **CA Prop 65 (CJ for Wire & Cable):** | Yes |
| **MII Order #39 (China RoHS):** | Yes |

### Flame Test

| | |
|---|---|
| **UL Flame Test:** | UL1685 FT4 Loading |
| **CSA Flame Test:** | FT4 |
| **IEEE Flame Test:** | 1202 |

### Suitability

| | |
|---|---|
| **Suitability - Burial:** | No |
| **Sunlight Resistance:** | Yes |

### Plenum/Non-Plenum

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

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

**Nom. Inductance:**

| Inductance (µH/ft) |
|---|
| .19 |

**Nom. Capacitance Conductor to Conductor:**

| Capacitance (pF/ft) |
|---|
| 51 |

**Nom. Capacitance Cond. to Other Conductor & Shield:**

| Capacitance (pF/ft) |
|---|
| 95 |

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|---|
| 5.86 |

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|---|
| 5.07 |

**Max. Operating Voltage - UL:**

| Voltage |
|---|
| 300 V RMS |

**Max. Recommended Current:**

| Current |
|---|
| 8 Amps per conductor @ 25°C |

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## Notes (Overall)

**Notes:** Alternate color coding available upon request.

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---|---|---|---|---|---|
| 1032A 0061000 | 1,000 FT | 32.000 LB | BLUE, LIGHT | C | 2 #18 PVC FS PVC |
| 1032A 00610000 | 10,000 FT | 350.000 LB | BLUE, LIGHT | C | 2 #18 PVC FS PVC |
| 1032A 0065000 | 5,000 FT | 160.000 LB | BLUE, LIGHT | C Z | 2 #18 PVC FS PVC |
| 1032A 0101000 | 1,000 FT | 32.000 LB | BLACK | C | 2 #18 PVC FS PVC |
| 1032A 01010000 | 10,000 FT | 390.000 LB | BLACK | C Z | 2 #18 PVC FS PVC |

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

## Test Reports

**a) UL**
i) UL Test Reports are available on-line through the UL Client Document Access web portal.
ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

**b) CSA**
i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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