

## 1243A2 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information  
please call

1-800-Belden1

**General Description:**

CAT3, 2-Pair, U/UTP-Unshielded, Plenum-CMP, Premise Horizontal Cable, 24 AWG solid bare copper conductors, LS-PVC insulation, LS-PVC jacket

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2       | 24  | Solid     | BC - Bare Copper   |

Total Number of Conductors:

4

**Insulation**

Insulation Material:

| Insulation Material                   |
|---------------------------------------|
| LS PVC - Low Smoke Polyvinyl Chloride |

**Outer Shield**

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material                 |
|-------------------------|---------------------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride |

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.135           |

**Pair**

Pair Color Code Chart:

| Number | Color                 |
|--------|-----------------------|
| 1      | White/Blue & Blue     |
| 2      | White/Orange & Orange |

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Installation Temperature Range:   | 0°C To +60°C    |
| Operating Temperature Range:      | -20°C To +75°C  |
| Bulk Cable Weight:                | 12 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 15 lbs.         |
| Min. Bend Radius/Minor Axis:      | 1 in.           |
| Min. Bend/Installation:           | 1.350 in.       |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |                          |
|---------------------------------------|--------------------------|
| NEC/(UL) Specification:               | CMP                      |
| CEC/(UL) Specification:               | CMP                      |
| EU Directive 2011/65/EU (RoHS II):    | Yes                      |
| IEEE Specification:                   | 802.3 10BaseT, 100BaseT4 |
| 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): | 06/01/2007               |

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|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| 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                                                                |
| Telecommunications Standards:     | 568-B.2 Category 3                                                 |
| Other Specification:              | NEMA WC-63 Category 3, UL verified to TIA/EIA-568-B.2, Category 3. |

## Flame Test

|                 |                                         |
|-----------------|-----------------------------------------|
| UL Flame Test:  | NFPA 262 Plenum Flame Test (UL910)(FT6) |
| CSA Flame Test: | FT6                                     |

## Plenum/Non-Plenum

|                    |        |
|--------------------|--------|
| Non-Plenum Number: | 1227A1 |
|--------------------|--------|

## Electrical Characteristics (Overall)

## Nom. Mutual Capacitance:

Capacitance (pF/ft)

19

Maximum Capacitance Unbalance (pF/100 m): 330

## Nominal Velocity of Propagation:

VP (%)

61

## Nominal Delay:

Delay (ns/ft)

1.5

## Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

9.38

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)

5

## Electrical Characteristics-Premise (Overall)

## Premise Cable Electricals:

| Freq. (MHz) | Max. Attenuation (dB/100 m) | Min. NEXT (dB) | Min. PSNEXT (dB) | Min. SRL (dB) | Fitted Imp. (Ohms) |
|-------------|-----------------------------|----------------|------------------|---------------|--------------------|
| 1           | 2.56                        | 41.0           | No Spec          | 12.0          | 100 ± 15%          |
| 4           | 5.58                        | 32.0           | No Spec          | 12.0          | 100 ± 15%          |
| 10          | 9.71                        | 26.            | No Spec          | 12.00         | 100 ± 15%          |
| 16          | 13.10                       | 23             | No Spec          | 9.96          | 100 ± 15%          |

## Notes (Overall)

**Notes:** Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 3.

## Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc            |
|-----------------|----------|-------------|-------|-------|----------------------|
| 1243A2 009U1000 | 1,000 FT | 12.000 LB   | WHITE |       | 2 PR #24 FLRST FLRST |

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