

**Part Number: 1243A2**

**CAT3 Horizontal, 2pr, UTP, LS-PVC Jkt, CMP**



**Product Description**

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

**Technical Specifications**

**Product Overview**

|                      |        |
|----------------------|--------|
| Environmental Space: | Plenum |
|----------------------|--------|

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 24  | Solid     | BC - Bare Copper | 2            |

|                        |    |
|------------------------|----|
| Conductor Count:       | 4  |
| Total Number of Pairs: | 2  |
| AWG Size:              | 24 |

**Insulation**

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

**Color Chart**

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

**Outer Jacket Material**

| Material                              | Material Trade Name | Nominal Diameter | Ripcord |
|---------------------------------------|---------------------|------------------|---------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest®         | 0.135 in         | No      |

**Electrical Characteristics**

**Conductor DCR**

| Max. Conductor DCR | Max. DCR Unbalance |
|--------------------|--------------------|
| 9.38 Ohm/100m      | 5 %                |

**Capacitance**

| Max. Capacitance Unbalance | Nom.Mutual Capacitance |
|----------------------------|------------------------|
| 330 pF/100m                | 19 pF/ft               |

**Delay**

| Max. Delay              | Max. Delay Skew | Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|-------------------------|-----------------|---------------|--|
| @ 100 MHz 537.6 ns/100m | 45 ns/100m      | 1.5 ns/ft     | 61 %                                     |

**High Freq**

| Frequency [MHz] | Max. Insertion Loss (Attenuation) | Min. NEXT [dB] | Min. SRL (Structural Return Loss) | Max./Min. Fitted Impedance |
|-----------------|-----------------------------------|----------------|-----------------------------------|----------------------------|
| 1 MHz           | 2.6 dB/100m                       | 41.0 dB        | 12.0 dB                           | 100 ± 15 Ohm               |
| 4 MHz           | 5.6 dB/100m                       | 32.0 dB        | 12.0 dB                           | 100 ± 15 Ohm               |
| 8 MHz           | 8.5 dB/100m                       | 27.0 dB        | 12.0 dB                           | 100 ± 15 Ohm               |
| 10 MHz          | 9.7 dB/100m                       | 26.0 dB        | 12.0 dB                           | 100 ± 15 Ohm               |
| 16 MHz          | 13.1 dB/100m                      | 23.0 dB        | 10.0 dB                           | 100 ± 15 Ohm               |

## Voltage

### UL Voltage Rating

300V RMS

## Temperature Range

|                          |                |
|--------------------------|----------------|
| Installation Temp Range: | 0°C To +50°C   |
| UL Temp Rating:          | 60°C           |
| Storage Temp Range:      | -20°C To +60°C |
| Operating Temp Range:    | -20°C To +60°C |

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 12 lbs/1000ft |
| Max Recommended Pulling Tension: | 15 lbs        |
| Min Bend Radius/Minor Axis:      | 2.25 in       |
| Min Bend Radius/Installation:    | 3.75 in       |

## Standards

|                                       |  |
|---------------------------------------|--|
| NEC/(UL) Specification:               | CMP  |
| CEC/C(UL) Specification:              | CMP  |
| CPR Euroclass:                        | Eca  |
| Data Category:                        | Category 3   |
| ANSI Compliance:                      | S-90-661-2012 Category 3, ANSI/NEMA WC-63.1 Category 3 |
| Telecommunications Standards:         | ANSI/TIA-568-C.2 Category 3                            |
| IEEE Specification:                   | 802.3 10BaseT, 100BaseT4                               |
| Third Party Performance Verification: | Category 3   |

## Applicable Environmental and Other Programs

|  |            |
|--|------------|
| EU Directive 2000/53/EC (ELV):         | Yes        |
| EU Directive 2002/96/EC (WEEE):        | 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:               | Yes        |
| EU CE Mark:                            | Yes        |
| EU REACH SVHC Compliance (yyyy-mm-dd): | 2017-07-10 |
| EU RoHS Compliance Date (yyyy-mm-dd):  | 2011-12-10 |
| CA Prop 65 (CJ for Wire & Cable):      | Yes        |
| MII Order #39 (China RoHS):            | Yes        |

## Suitability

|                                    |    |
|------------------------------------|----|
| Suitability - Aerial:              | No |
| Suitability - Burial:              | No |
| Suitability - Hazardous Locations: | No |

|                                    |     |
|------------------------------------|-----|
| Suitability - Indoor:              | Yes |
| Suitability - Non-Halogenated:     | No  |
| Suitability - Oil Resistance:      | No  |
| Suitability - Outdoor:             | No  |
| Suitability - Sunlight Resistance: | No  |

#### Flammability, LS0H, Toxicity Testing

|                   |                          |
|-------------------|--------------------------|
| UL Flammability:  | NFPA 262 Plenum (UL 910) |
| CSA Flammability: | FT6                      |

#### Part Number

|                    |        |
|--------------------|--------|
| Plenum (Y/N):      | Yes    |
| Non-Plenum Number: | 1227A1 |

#### Variants

| Item #          | Color |
|-----------------|-------|
| 1243A2 009U1000 | WHITE |

|         |   |
|---------|---|
| Patent: | <a href="http://www.belden.com/p">http://www.belden.com/p</a> |
|---------|---|

#### Product Notes

|        |   |
|--------|---|
| Notes: | Print Includes Descending Footage Markings. |
|--------|---|

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