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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 |

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

| | |
|-----------------------------------|--|
| 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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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).