

## 1229A1 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information  
please call

1-800-Belden1



### General Description:

CAT3, 4-Pair, U/UTP-Unshielded, Riser-CMR, Premise Horizontal Cable, 24 AWG Solid Bare Copper Conductors, Polyolefin Insulation, PVC Jacket

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	Solid	BC - Bare Copper

Total Number of Conductors: 8

#### Insulation

##### Insulation Material:

Insulation Material
PO - Polyolefin

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

##### Outer Jacket Diameter:

Nom. Dia. (in.)
0.197

#### Pair

##### Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	35 lbs.
Min. Bend Radius/Minor Axis:	1 in.
Min. Bend/Installation:	1.900 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR, CMX-Outdoor

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<b>CEC/C(UL) Specification:</b>	CMR, CMX-Outdoor
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>IEEE Specification:</b>	802.3 10BaseT, 100BaseT4
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	NEMA WC-63 Category 3, Verified to ANSI/TIA-586-C.2, Category 3

### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Riser
<b>C(UL) Flame Test:</b>	FT4
<b>CSA Flame Test:</b>	FT4

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	1245A2

## Electrical Characteristics (Overall)

### Nom. Mutual Capacitance:

**Capacitance (pF/ft)**  
15

**Maximum Capacitance Unbalance (pF/100 m):** 330

### Nominal Velocity of Propagation:

**VP (%)**  
70

### Maximum Delay:

**Delay (ns/100 m)**  
538 @ 100MHz

### Max. Delay Skew:

**Delay Skew (ns/100 m)**  
45

### 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%

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4	5.58	32.0	No Spec	12.0	100 ± 15%
10	9.71	26.0	No Spec	12.0	100 ± 15%
16	13.10	23.0	No Spec	9.96	100 ± 15%

### Notes (Overall)

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1229A1 008U1000	1,000 FT	22.000 LB	GRAY		CAT3 4PR U/UTP CMR BOX

Revision Number: 4    Revision Date: 02-06-2013

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