

1245A2 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information
please call

1-800-Belden1



General Description:

CAT3, 4-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
4	24	Solid	BC - Bare Copper

Total Number of Conductors: 8

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

Overall Cable

Overall Nominal Diameter: 0.157 x 0.170 in.

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)

Installation Temperature Range: 0°C To +60°C

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 20 lbs/1000 ft.

Max. Recommended Pulling Tension: 25 lbs.

Min. Bend Radius/Minor Axis: 1 in.

Min. Bend/Installation: 1.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/UL) Specification: CMP

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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
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

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Sunlight Resistance:	No

Plenum/Non-Plenum

Non-Plenum Number:	1229A1
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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%

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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 TIA/EIA-568-B.2, Category 3.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1245A2 009U1000	1,000 FT	19.000 LB	WHITE		CAT3 4PR U/UTP CMP BOX

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