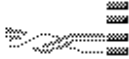


## 1227A1 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information  
please call

1-800-Belden1



### General Description:

CAT3 (16MHz), 2-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
2	24	Solid	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Material
PP - Polypropylene

#### 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. (mm)
4.394

#### Pair

##### Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	19.347 Kg/Km
Max. Recommended Pulling Tension:	66.723 N
Min. Bend Radius/Minor Axis:	25.400 mm
Min. Bend/Installation:	43.180 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR, UL444

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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):	01/01/2004
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
Other Specification:	NEMA WC-63 Category 3

### Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1243A2

## Electrical Characteristics (Overall)

### Nom. Mutual Capacitance:

Capacitance (pF/m)  
49.215

Maximum Capacitance Unbalance (pF/100 m): 330

### Nominal Velocity of Propagation:

VP (%)  
70

### Nominal Delay:

Delay (ns/m)  
4.9215

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
91.868

### 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:

## 1227A1 Multi-Conductor - Category 3 Nonbonded-Pair Cable

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%
8	8.50	27.0	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 TIA/EIA-568-B.2, Category 3

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1227A1 Q5HU1000	1,000 FT	14.000 LB	WHITE, NEUTRAL		CAT3 2PR U/UTP CMR BOX
1227A1 008U1000	1,000 FT	14.000 LB	GRAY		CAT3 2PR U/UTP CMR BOX

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