Product: [1227A1](#) ⧉

Category 3 Horizontal Cable, 2 Pair, U/UTP, CMR

Product Description

Category 3 Premise Horizontal Cable (16MHz), 2 Pair, 24 AWG Solid Bare Copper Conductors, U/UTP, Riser-CMR, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Ethernet 10BASE-T, Analog Phone, FAX

Construction Details

Conductor

Size	Stranding	Material	Number of Pairs
24 AWG	Solid	BC - Bare Copper	2

Insulation

Material	Color Code
PO - Polyolefin	White/Blue Stripe & Blue, White/Orange Stripe & Orange

Outer Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.173 in (4.39 mm)	No

Overall Cable Diameter (Nominal):	0.173 in (4.39 mm)

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
93.8 Ohm/km	90 pF/100m

Delay

Frequency	Max. Delay	Max. Delay Skew	Nom. Velocity of Prop.
16 MHz	543 ns/100m	45 ns/100m	70%

High Frequency

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

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation	Storage
75°C	-20°C To +75°C	0°C To +50°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
1.0 in (25 mm)	1.75 in (44.5 mm)

Max. Pull Tension:	15 lbs (6.8 kg)
Bulk Cable Weight:	12 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Riser, Indoor, Outdoor, Sunlight Resistance
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL 1666 Riser, FT4, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMR
ICEA Compliance:	S-90-661-2012
NEMA Compliance:	NEMA WC-63.1
Data Category:	Category 3
TIA/EIA Compliance:	ANSI/TIA-568.2-D Category 3
Third Party Performance Verification:	Category 3
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	1243A2

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. Print Includes Descending Footage Markings.

History

Update and Revision:	Revision Number: 0.400 Revision Date: 12-15-2021

Variants

Item #	Color	Putup Type	Length	UPC
1227A1 008U1000	Gray	UnReel	1,000 ft	612825109266
1227A1 Q5HU1000	White	UnReel	1,000 ft	612825109259

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