



Part Number: 1232A1

CAT3 Horizontal, 25pr, UTP, PVC Jkt, CMR

Product Description

CAT3 (16MHz), 25-Pair, U/UTP-unshielded, Riser-CMR, Premise Backbone Cable, 24 AWG solid bare copper conductors, semi-rigid PVC insulation, PVC jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
24	Solid	BC - Bare Copper	25
Total Number of Conductors:			50

Insulation:

Material
PO - Polyolefin

Color Chart 1:

Number	Color
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Gray Stripe & Gray/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe
7	Red/Orange Stripe & Orange/Red Stripe
8	Red/Green Stripe & Green/Red Stripe
9	Red/Brown Stripe & Brown/Red Stripe
10	Red/Gray Stripe & Gray/Red Stripe
11	Black/Blue Stripe & Blue/Black Stripe
12	Black/Orange Stripe & Orange/Black Stripe
13	Black/Green Stripe & Green/Black Stripe
14	Black/Brown Stripe & Brown/Black Stripe
15	Black/Gray Stripe & Gray/Black Stripe
16	Yellow/Blue Stripe & Blue/Yellow Stripe
17	Yellow/Orange Stripe & Orange/Yellow Stripe
18	Yellow/Green Stripe & Green/Yellow Stripe
19	Yellow/Brown Stripe & Brown/Yellow Stripe
20	Yellow/Gray Stripe & Gray/Yellow Stripe
21	Purple/Blue Stripe & Blue/Purple Stripe
22	Purple/Orange Stripe & Orange/Purple Stripe
23	Purple/Green Stripe & Green/Purple Stripe
24	Purple/Brown Stripe & Brown/Purple Stripe
25	Purple/Gray Stripe & Gray/Purple Stripe

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.334 in

Electrical Characteristics

Conductor DCR:

Max. Conductor DCR	Max. DCR Unbalance
9.38 Ohm/100m	5 %

Capacitance:

Nom.Mutual Capacitance
15 pF/ft

Delay:

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
61 ns/100m	1.5 ns/ft	61 %

High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. SRL (Structural Return Loss)	Max./Min. Fitted Impedance
1 MHz	2.56 dB/100m	na dB	41 dB	12 dB	100 ± 15 Ohm
4 MHz	5.58 dB/100m	na dB	32 dB	12 dB	100 ± 15 Ohm
8 MHz	8.5 dB/100m	na dB	27 dB	12 dB	100 ± 15 Ohm
10 MHz	9.71 dB/100m	na dB	26 dB	12 dB	100 ± 15 Ohm
16 MHz	13.1 dB/100m	na dB	23 dB	9.96 dB	100 ± 15 Ohm

Voltage:

UL Voltage Rating
300V RMS V

Use

Max Recommended Pulling Tension:	155 lbs
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Safety

CSA Flammability:	FT4
UL Flammability:	UL1666 Riser

Temperature Range

Operating Temp Range:	-20°C To +75°C °C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.3 in
Min Bend Radius/Installation:	3.3 in

Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMR
IEEE Specification:	802.3 10BaseT, 100BaseT4
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMR
Other Specification:	NEMA WC-63 Category 3, UL verified to TIA/EIA-568-B.2, Category 3
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Notes:	Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 3. NEXT is Power Sum tested.
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Product Variants

Part Number	Color	Put-Up Type	Length
1232A1	GRAY	Reel	1000 ft
1232A1	GRAY	Reel	305 m
1232A1 0081000	GRAY	Reel	1000 ft
1232A1			

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