



Part Number: 1752A

CAT5e+ Patch Bonded-Pair, 4pr, UTP, PVC Jkt, CMR

Product Description

CAT5e+ (350MHz), 4-Bonded-Pair, U/UTP-unshielded, Riser-CMR, Premise Patch cable, 24 AWG Bonded stranded (7x32) tinned copper conductors, polyolefin insulation, PVC jacket, RJ-45 compatible

Product Specifications

AG.Filter Attributes

Total Number of Conductors:	8
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Application

Suitable Applications:	Premise Patch Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments
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Technical Specifications

AG_0401

UL Flammability:	UL1685 UL Loading
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CSA Flammability:	FT1
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APAC Standard

MII Order #39 (China RoHS):	Yes
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Applicable Patents

Country:	US
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Patent:	5763823
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Bend Radius

Min Bend Radius/Minor Axis:	1 in
Min Bend Radius/Installation:	2.2 in

CCB-Sub-Part Number

Plenum (Y/N):	No
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Contact Information

PHONE_NUM:	1-800-Belden1
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EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01

Global Standard

Telecommunications Standards:	ANSI/TIA/EIA 568 C.2 Category 5e
ISO/IEC Compliance:	11801 ed 2.1 (2008) Class D

North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CM
Other Specification:	ICEA 661 Category 5 Patch

Unused Attributes

Notes:	Jacket sequentially marked at 2 ft. intervals. Third party verified to ANSI/TIA-568-C.2, Category 5e Patch.
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Use

Max Recommended Pulling Tension:	40 lbs
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Conductor DCR:

Max. Conductor DCR	Max. DCR Unbalance
9 Ohm/100m	3 %

Color Chart 1:

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

Delay:

Max. Delay	Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
510 ns/100m	25 ns/100m	70 %

Voltage:

UL Voltage Rating
300V RMS V

High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	2.4 dB/100m	65.3 dB	65.3 dB	62.9 dB	63.8 dB	60.8 dB	20 dB	100 ± 12 Ohm	105 ± 10 Ohm
4 MHz	4.8 dB/100m	56.3 dB	56.3 dB	51.5 dB	51.7 dB	48.7 dB	23 dB	100 ± 12 Ohm	100 ± 10 Ohm
8 MHz	6.8 dB/100m	51.8 dB	51.8 dB	45 dB	45.7 dB	42.7 dB	24.5 dB	100 ± 12 Ohm	100 ± 10 Ohm
10 MHz	7.7 dB/100m	50.3 dB	50.3 dB	42.6 dB	43.8 dB	40.8 dB	25 dB	100 ± 12 Ohm	100 ± 10 Ohm
16 MHz	9.7 dB/100m	47.3 dB	47.3 dB	37.5 dB	39.7 dB	36.7 dB	25 dB	100 ± 12 Ohm	100 ± 10 Ohm
20 MHz	11 dB/100m	45.8 dB	45.8 dB	34.8 dB	37.7 dB	34.7 dB	25 dB	100 ± 12 Ohm	100 ± 10 Ohm
25 MHz	12.4 dB/100m	44.3 dB	44.3 dB	31.9 dB	35.8 dB	32.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 10 Ohm
31.25 MHz	13.9 dB/100m	42.9 dB	42.9 dB	29 dB	33.9 dB	30.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 10 Ohm
62.5 MHz	20.2 dB/100m	38.4 dB	38.4 dB	18.3 dB	27.8 dB	24.9 dB	21.5 dB	100 ± 15 Ohm	100 ± 10 Ohm
100 MHz	26 dB/100m	35.3 dB	35.3 dB	9.2 dB	23.8 dB	20.8 dB	20.1 dB	100 ± 15 Ohm	100 ± 10 Ohm
155 MHz	33.2 dB/100m	32.5 dB	32.5 dB	0 dB	19.9 dB	16.9 dB	19 dB	100 ± 18 Ohm	100 ± 10 Ohm
200 MHz	38.4 dB/100m	30.8 dB	30.8 dB		17.7 dB	14.7 dB	19 dB	100 ± 20 Ohm	100 ± 10 Ohm
250 MHz	43.7 dB/100m	29.3 dB	29.3 dB		15.8 dB	12.8 dB	18 dB	100 ± 20 Ohm	100 ± 10 Ohm
300 MHz	48.6 dB/100m	28.2 dB	28.2 dB		14.2 dB	11.2 dB	18 dB	100 ± 20 Ohm	100 ± 10 Ohm
310 MHz	49.5 dB/100m	27.9 dB	27.9 dB		13.9 dB	10.9 dB	18 dB	100 ± 20 Ohm	100 ± 10 Ohm
350 MHz	53.2 dB/100m	27.2 dB	27.2 dB		12.9 dB	9.9 dB	17 dB	100 ± 22 Ohm	100 ± 10 Ohm

Capacitance:

Nom.Mutual Capacitance

15 pF/ft

Insulation:**Material**

PO - Polyolefin

Outerjacket 1:**Material****Nominal Diameter**

PVC - Polyvinyl Chloride

0.22 in

Conductor:**AWG****Stranding****Material****No. of Pairs**

24

7x32

TC - Tinned Copper, Bonded Strands

4

Outershield 1:**Material**

Unshielded

Product Variants

Part Number	Color	Put-Up Type	Length
1752A	RED	Reel	1000 ft
1752A	RED	Reel	305 m
1752A 0021000	RED	Reel	1000 ft
1752A	RED	UnReel	1000 ft
1752A	RED	UnReel	305 m
1752A 002U1000	RED	UnReel	1000 ft
1752A	ORANGE	Reel	1000 ft
1752A	ORANGE	Reel	305 m
1752A 0031000	ORANGE	Reel	1000 ft
1752A	ORANGE	UnReel	1000 ft
1752A	ORANGE	UnReel	305 m
1752A 003U1000	ORANGE	UnReel	1000 ft
1752A	YELLOW	Reel	1000 ft
1752A	YELLOW	Reel	305 m
1752A 0041000	YELLOW	Reel	1000 ft

1752A	YELLOW	UnReel	1000 ft
1752A	YELLOW	UnReel	305 m
1752A 004U1000	YELLOW	UnReel	1000 ft
1752A	GREEN	Reel	1000 ft
1752A	GREEN, DARK	Reel	305 m
1752A 0051000	GREEN	Reel	1000 ft
1752A	GREEN	UnReel	1000 ft
1752A	GREEN, DARK	UnReel	305 m
1752A 005U1000	GREEN	UnReel	1000 ft
1752A	BLUE	Reel	1000 ft
1752A	BLUE, LIGHT	Reel	305 m
1752A 0061000	BLUE	Reel	1000 ft
1752A	BLUE	UnReel	1000 ft
1752A	BLUE, LIGHT	UnReel	305 m
1752A 006U1000	BLUE	UnReel	1000 ft
1752A	PURPLE	Reel	305 m
1752A	PURPLE	UnReel	1000 ft
1752A	PURPLE	UnReel	305 m
1752A 007U1000	PURPLE	UnReel	1000 ft
1752A	BLACK	Reel	1000 ft
1752A	BLACK	Reel	305 m
1752A 0101000	BLACK	Reel	1000 ft
1752A	BLACK	UnReel	1000 ft
1752A	BLACK	UnReel	305 m
1752A 010U1000	BLACK	UnReel	1000 ft
1752A	GRAY	Reel	1000 ft
1752A	DEC GRAY	Reel	305 m
1752A F2V1000	GRAY	Reel	1000 ft
1752A	GRAY	UnReel	1000 ft
1752A	DEC GRAY	UnReel	305 m
1752A F2VU1000	GRAY	UnReel	1000 ft
1752A			

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