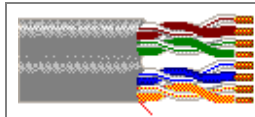


1872A Multi-Conductor - Enhanced Category 6 Bonded-Pair Cable



For more Information
 please call
 1-800-Belden1



Description

23 AWG bonded-pairs, solid bare copper conductor, non-plenum, polyolefin insulation, rip cord, see color code chart (below), PVC jacket (blue, red, yellow, orange, green, gold, purple, white, black or gray..

Suitable Applications (Overall):

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

Physical Characteristics (Overall):

Conductor:
 AWG

# Pairs	AWG	Stranding	Conductor Material
4.000	23	Solid	BC - Bare Copper

Insulation:

Insulation Material

Insulation Material
PO - Polyolefin

Outer Shield:

Outer Shield Material

Outer Shield Material
Unshielded

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cabling:

Overall Nominal Diameter: 0.365 x 0.165 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):

Operating Temperature Range: -20°C To +80°C
 Bulk Cable Weight: 29 lbs/1000 ft.
 Max. Recommended Pulling Tension: 45 lbs.
 Min. Bend Radius (Install)/Minor Axis: 1 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

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NEC/(UL) Specification	CMR, UL444
CEC/C(UL) Specification	CMR
IEC Specification	11801 Category 5
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
TIA/EIA Specification	568-B.2-1 Category 6
Other Specification	UL verified to Category 6

Flame Test:

UL Flame Test	UL1666 Riser
CSA Flame Test	FT4

Plenum/Non-Plenum:

Plenum (Y/N)	N
Plenum Number	1874A

Electrical Characteristics (Overall):

Nom. Mutual Capacitance

Capacitance (pF/ft)
15.000

Nominal Velocity of Propagation

VP (%)
70

Maximum Capacitance Unbalance (pF/100 m) 49.2

Maximum Delay

Delay (ns/100 m)
510 @ 100MHz

Max. Delay Skew

Delay Skew (ns/100 m)
25

Maximum Conductor DC Resistance

DCR @ 20°C (Ohm/100 m)
9.000

Max. Operating Voltage - UL

Voltage
300 V RMS

Maximum DCR Unbalanced

DCR Unbalance @ 20°C (%)
3.000

Electrical Characteristics-Premise (Overall):

Premise Cable Electrical Table 1

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR (dB)	Min. PSACR (dB)	Min RL (dB)	Min. SRL (dB)
1	1.900	74.300	72.300	70	70	20.000	
4	3.700	65.300	63.300	59	59	23.000	
8	5.300	60.300	58.800	53	53	24.500	
10	5.900	59.300	57.300	51	51	25.000	
16	7.500	56.300	54.300	46	46	25.000	
20	8.400	54.800	52.800	44	44	25.000	
25	9.500	53.400	51.400	42	42	24.300	
31.250	10.600	51.900	49.900	39	39	23.600	
62.500	15.400	47.400	45.400	30	30	21.500	
100	19.800	44.300	42.300	25	25	21.000	

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155	25.100	41.500	39.500	14	14	21.000	
200	29.000	39.800	37.800	10	10	21.000	
250	32.800	38.300	36.300	3	3	18.000	
300	35.200	37.200	34.200	0	0	18.000	
310	37.100	36.900	34.900			18.000	
350	39.800	36.200	34.200			17.000	
400**	43.000	35.300	33.300			14.000	
500**	49.000	33.800	31.800			14.000	

Premise Cable Electrical Table 2

Freq. (MHz)	Input (Unfitted) Imp. (Ohms)	Fitted Impedance	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 12	100 ± 15	67.800	64.800
4	100 ± 12	100 ± 15	55.700	52.800
8	100 ± 12	100 ± 15	49.700	46.700
10	100 ± 12	100 ± 15	47.800	44.800
16	100 ± 12	100 ± 8	43.700	40.700
20	100 ± 12	100 ± 8	41.700	38.700
25	100 ± 15	100 ± 8	39.800	36.800
31.250	100 ± 15	100 ± 8	37.900	34.900
62.500	100 ± 15	100 ± 8	31.800	28.900
100	100 ± 15	100 ± 8	27.800	24.800
155	100 ± 15	100 ± 8	23.900	20.900
200	100 ± 15	100 ± 8	21.700	18.800
250	100 ± 20	100 ± 8	19.800	16.800
300	100 ± 20	100 ± 8	18.200	15.200
310	100 ± 20	100 ± 8	17.900	14.900
350	100 ± 22	100 ± 8	16.900	13.900
400**	100 ± 32	100 ± 8	15.700	12.700
500**	100 ± 32	100 ± 8	13.800	10.800

Notes (Overall):

Notes Belden IBDN. Jacket sequentially marked at 2 ft. intervals. US Patent #'s 5, 606, 151; 5, 734, 126; 5, 821, 467 **Values above 350 MHz are information only. Third party verified to TIA/EIA-568-B.2-1, Category 6.

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1872A 0021000	1,000 FT	37.000 LB	RED	C	4 PR #23 PP PVC RED
1872A 002A1000	1,000 FT	37.000 LB	RED		4 PR #23 PP PVC RED
1872A 0031000	1,000 FT	37.000 LB	ORANGE	C	4 PR #23 PP PVC ORG
1872A 003A1000	1,000 FT	37.000 LB	ORANGE		4 PR #23 PP PVC ORG
1872A 0041000	1,000 FT	37.000 LB	YELLOW	C	4 PR #23 PP PVC YEL
1872A 004A1000	1,000 FT	37.000 LB	YELLOW		4 PR #23 PP PVC YEL
1872A 0051000	1,000 FT	37.000 LB	GREEN, DARK	C	4 PR #23 PP PVC GRNDK
1872A 005A1000	1,000 FT	37.000 LB	GREEN, DARK		4 PR #23 PP PVC GRNDK
1872A 0061000	1,000 FT	37.000 LB	BLUE, LIGHT	C	4 PR #23 PP PVC BLULT
1872A 006A1000	1,000 FT	37.000 LB	BLUE, LIGHT		4 PR #23 PP PVC BLULT
1872A 0071000	1,000 FT	37.000 LB	VIOLET	C	4 PR #23 PP PVC VIO
1872A 007A1000	1,000 FT	37.000 LB	VIOLET		4 PR #23 PP PVC VIO
1872A 0091000	1,000 FT	37.000 LB	WHITE	C	4 PR #23 PP PVC WHT
1872A 009A1000	1,000 FT	37.000 LB	WHITE		4 PR #23 PP PVC WHT
1872A 0101000	1,000 FT	37.000 LB	BLACK	C	4 PR #23 PP PVC BLK
1872A F6H1000	1,000 FT	37.000 LB	GRAY, DARK PEARL	C	4 PR #23 PP PVC GRYDKPRL

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1872A F6HA1000	1,000 FT	37.000 LB	GRAY, DARK PEARL		4 PR #23 PP PVC GRYDKPRL
1872A X6G1000	1,000 FT	37.000 LB	GOLD X6G	C	4 PR #23 PP PVC GLDX6G
1872A X6GA1000	1,000 FT	37.000 LB	GOLD X6G		4 PR #23 PP PVC GLDX6G

Notes:

C = CRATE REEL PUT-UP.

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