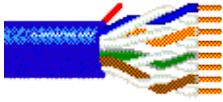


1864A Multi-Conductor - Category 5 Unbonded-Pair Cable



For more Information
please call

1-800-Belden1



Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, rip cord, see color code chart (below), PVC jacket (light gray or blue)

Usage (Overall)

Suitable Applications:

Premise Backbone Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422, Noisy Environments

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
25	24	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:

0.526 in.

Pair

Pair Color Code Chart:

Number	Color
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue
7	Red & Orange
8	Red & Green
9	Red & Brown
10	Red & Gray
11	Black & Blue
12	Black & Orange
13	Black & Green
14	Black & Brown



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15	Black & Gray
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Gray
21	Purple & Blue
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Gray

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	135 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.
Min. Bend Radius (Install)/Minor Axis:	5.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR, UL444
CEC/C(UL) Specification:	CMR
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
Telecommunications Standards:	568-B.2 Category 5
Other Specification:	NEMA WC-63.1 Category 5, UL verified to Category 5

Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1871A

Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)
15

Nominal Velocity of Propagation:

VP (%)
71

Maximum Capacitance Unbalance (pF/100 m): 330

Maximum Delay:

Delay (ns/100 m)



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538 @ 100MHz

Max. Delay Skew:

Delay Skew (ns/100 m)
45

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:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. PSNEXT (dB)	Min. SRL (dB)	Fitted Imp. (Ohms)
1	2.0	62.3	23.0	100 ± 15%
4	4.1	53.3	23.0	100 ± 15%
8	5.8	48.8	23.0	100 ± 15%
10	6.5	47.3	23.0	100 ± 15%
16	8.2	44.3	23.0	100 ± 15%
20	9.3	42.8	23.0	100 ± 15%
25	10.4	41.3	20.0	100 ± 15%
31.25	11.7	39.9	21.1	100 ± 15%
62.5	17.0	35.4	18.0	100 ± 15%
100	22.0	32.3	16.0	100 ± 15%

Notes (Overall)

Notes: Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 5.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1864A F2V1000	1,000 FT	144.000 LB	GRAY, DEC	C	25 PR #24 PO PVC
1864A 0061000	1,000 FT	144.000 LB	BLUE, LIGHT	C	25 PR #24 PO PVC

Notes:
C = CRATE REEL PUT-UP.

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