



ISO 9001:2000

Best-Tronics Manufacturing, Inc.

Quality - Service

CA-0367

Outdoor CAT5 Cable

Description

4 PAIR UTP (UNSHIELDED TWISTED PAIR) CABLE, 24 AWG SOLID BARE COPPER, POLYOLEFIN INSULATED SINGLES, RIPCORD, OIL RES SUN RES .030" INDUSTRIAL GRADE JACKET SEQUENTIALLY MARKED AT TWO FOOT INTERVALS.

Applications

SUPPORTS CURRENT CATEGORY FIVE ENHANCED APPLICATIONS SUCH AS 100 BASE TX, 100 BASE VG ANYLAN, 155 ATM, AND 1000 BASE T (GIGABIT ETHERNET).

Physical Characteristics

INSTALLATION TEMPERATURE: -25 TO 75 DEG. C

OPERATING TEMPERATURE: -40 TO 75 DEG. C*

*SUBJECT TO LENGTH DE-RATING

INSULATION MATERIAL: POLYOLEFIN

JACKET MATERIAL: PVC

MAX. PULLING TENSION: 35 LBS.

MIN. CONDUCTOR O.D.: 0.019"

NOM. WEIGHT/1000 FT.: 27 LBS.

MIN. BEND RADIUS: .5"

NOM. DIAMETER: .220"

APPLICABLE SPECIFICATIONS: ANSI/TIA/EIA-568-B.2

CAT 5E

ISO/IEC 11801 CAT 5E

NEMA WC-63.1 CATEGORY 5E

FLAME RATING AND TEST: UL CMR, UL 1666

C(UL) CMR, CSA

Color Code

PAIR #1: WHITE/BLUE & BLUE

PAIR #2: WHITE/ORANGE & ORANGE

PAIR #3: WHITE/GREEN & GREEN

PAIR #4: WHITE/BROWN & BROWN



Made in the U.S.A.

Best-Tronics Mfg., Inc.

18500 Graphics Court
Tinley Park, IL 60477

www.canopycables.com
(708) 802-9677



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Electrical Characteristics

MAX. OPERATING VOLTAGE: 300 V RMS
NOM. CAPACITANCE @ 1 KHZ: 15 PF/FT.
NOM. VELOCITY OF PROPAGATION: 70%

TYPICAL VALUES REPRESENT VALUES FROM MULTIPLE TESTS OF OUR PRODUCT. THESE NUMBERS ARE NOT GUARANTEED BUT ARE DESIGNED TO GIVE THE USER AN IDEA OF THE PRODUCTS TYPICAL CAPABILITIES. THE MAXIMUM VALUES ARE GUARANTEED VALUES. BECAUSE OF BELDEN'S STRICT QUALITY CONTROL PROGRAM, WHICH ALLOWS THE MAXIMUM VALUES TO BE MET ON A CONSISTENT BASIS, THERE MAY BE A SIGNIFICANT DIFFERENCE BETWEEN TYPICAL AND MAXIMUM VALUES.

	DELAY SKEW (NS/100M)	DELAY @100 MHZ (NS/100M)	CAPACITANCE UNBALANCE (PF/100M)	DCR @ 20C (OHMS/100M)	DCR UNBALANCE (%)
MAXIMUM	45	510	330.0	9.38	3.0
TYPICAL	10	480	40.0	8.6	0.8

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FREQUENCY (MHZ)	TYPICAL IMPEDANCE	IMPEDANCE SPEC	TYPICAL RL (DB)	MIN RL (DB)
1.0	104 +/- 8%	100 +/- 15%	25	20.0
4.0	101 +/- 8%	100 +/- 15%	28	23.0
8.0	100 +/- 8%	100 +/- 15%	30	2.5
10.0	100 +/- 8%	100 +/- 15%	30	25.0
16.0	100 +/- 8%	100 +/- 15%	30	25.0
20.0	100 +/- 8%	100 +/- 15%	30	25.0
25.0	100 +/- 8%	100 +/- 15%	29	24.3
31.25	100 +/- 8%	100 +/- 15%	28	23.6
62.5	100 +/- 8%	100 +/- 15%	26	21.5
100	100 +/- 8%	100 +/- 15%	25	20.1
155	100 +/- 8%	100 +/- 25%	21	15.8
200	100 +/- 8%	100 +/- 25%	20	15.0
250	100 +/- 8%		18	
350	100 +/- 8%		18	

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FREQUENCY (MHZ)	MIN PSACR (DB/100 M)	TYP PSACR (DB/100 M)	MIN PSELFEXT (DB/100 M)	TYP PSELFEXT (DB/100 M)
.772	62	72	63	73
1.0	60	69	60.8	71
4.0	49	59	48.7	9
8.0	43	54	42.7	63
10.0	41	51	40.8	61
16.0	36	48	36.7	46
20.0	34	45	34.7	43
25.0	31	41	32.8	41
31.25	28	38	30.9	39
62.5	19	29	24.8	33
100	11	22	20.8	28
155	2	14	16.9	26
200	1	8	14.7	23
250		-		
350		-		

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FREQUENCY (MHZ)	MIN PSNEXT (DB)	TYP PSNEXT (DB)	MAX ATTEN (DB/100M)	TYP ATTEN (DB/100 M)
.772	64	73	1.8	1.5
1.0	62.3	71	2.0	1.8
4.0	53.3	62	4.1	3.7
8.0	48.8	58	5.8	5.3
10.0	47.3	56	6.5	5.9
16.0	44.3	53	.2	7.5
20.0	42.8	52	9.3	.5
25.0	41.3	50	10.4	9.7
31.25	39.9	49	11.7	10.8
62.5	35.4	45	17.0	15.6
100	32.3	42	22.0	19.9
155	29.5	0	28.0	24.8
200	27.8	39	32.4	29.7
250		31		33.9
350		29		41.8

THE DATA IN THE ABOVE TABLES REPRESENTS DISCRETE FREQUENCY POINTS. ALL TESTS ARE SWEPT OUT TO 350 MHZ.

Print Legend

"BEST-TRONICS P/N CA-0367 - - - VERIFIED (UL) CAT 5E 4PR24 E108998 (- PLANT ID)
CMR—CMX OUTDOOR OR C(UL) CMR - -ISO/IEC 11801 CAT 5E - -P-07-KA06003-MSHA--300V
OIL/SUN RES ---WWW.BEST-TRONICS.COM (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FT"

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