

SKU: DC-PBC-6BK-ETL

**CAT6 PLENUM UTP SOLID BARE
COPPER - ETL LISTED**

LAN CABLE TEST TO 550MHz
Solid Bare Copper 23AWG Plenum
ETL Listed, RoHS Compliant
Version No : 03 (2023.08.20)



Packaging available

- 1000ft reel

Jacket colours

**CONSTRUCTION****CENTER CONDUCTOR**

Material:

Solid Bare Copper

Size:

23AWG 0.022"(0.57±0.006mm)

INSULATION

Material:

FEP

OD:

0.0394"(1.00±0.05mm)

Color Code of four pairs:

Brown * White / Brown

Blue * White / Blue

Orange * White / Orange

Green * White / Green

TAPE:

PET(20/0.025mm)

DRAIN WIRE:

24AWG Solid Tinned Copper

SHIELD"

Aluminum / Poly Tape

100% coverage with 25% overlapping

RIPCORD

Kevlar

SEPARATOR

LSZH CROSSWEB

**RoHS**

Issue Date: October '11

Revision: 4

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Material:	CMP-PVC
Nominal Thickness:	0.0197" (0.50mm)
OD:	0.291"±0.012"(7.4±0.3mm)

MARKINGS

TBD

ELECTRICAL & PHYSICAL PROPERTIES

Temperature Rating:	-20°C ~ +80°C
Voltage:	30V
Capacitance:	5.6nF/100m.Nom
Characteristic Impedance:	1-100MHz, 100±15%; 101-250Mhz, 100±22%; 250-500MHz, 100±25%
Velocity of propagation:	≥67%
DCR: Conductor:	9.38 Ohms/100m.Nom
D.C Resistance Unbalance:	≤5%

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FREQ MHZ Max	ATT (dB/100m)	NEXT (dB/)	ACRF (dB/)	PS- NEXT (dB/)	PS. ACRF (dB/)	RL (dB/)	DELAY (ns/100m)	SKEW (ns/100m)
1	2.0	74.3	67.8	72.3	64.8	20.0	570	45
4	3.8	65.3	55.8	63.3	52.8	23.0	552	
8	5.3	60.8	49.7	58.8	46.7	24.5	547	
10	6.0	59.3	47.8	57.3	44.8	25.0	545	
16	7.6	56.2	43.7	54.2	40.7	25.0	543	
20	8.5	54.8	41.8	52.8	38.8	25.0	542	
25	9.5	53.3	39.8	51.3	36.8	24.3	541	
31.25	10.7	51.9	37.9	49.9	34.9	23.6	540	
62.50	15.4	47.4	31.9	45.4	28.9	21.5	539	
100	19.8	44.3	27.8	42.3	24.8	20.1	538	
200	29.0	39.8	21.8	37.8	18.8	18.0	537	
250	32.8	38.3	19.8	36.3	16.8	17.3	536	
300	36.4	37.1	18.3	35.1	15.3	16.8	536	
350	39.8	36.1	16.9	34.1	13.9	16.3	536	
400	43.0	35.5	15.8	33.3	12.8	15.9	536	
500	48.9	33.8	13.8	31.8	10.8	15.2	536	


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