delcocables.com
(301) 937-5500
(301) 825-9890

SKU: DC-FPBC-6A-BK-ETL

CAT6A PLENUM F/UTP SOLID BARE COPPER - ETL LISTED

LAN CABLE TEST TO 750MHz
Solid Bare Copper 23AWG Plenum
ETL Listed, RoHS Compliant
Version No.: 03 (2023.08.20)

Packaging availble

- 1000ft reel

Jacket colours

CONSTRUCTION

CONDUCTOR

Material:	Solid Bare Copper
Size:	23AWG 0.022”(0.57±0.006mm)

INSULATION

Material:	SAME® 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

SAMP® LSZH CROSSWEB

RoHS

25 YEARS WARRANTY

Issue Date: October ‘11 Revision: 4

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JACKET

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%

RoHS

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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	2.1	74.3	67.8	72.3	64.8	20.0	570	
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	5.9	59.3	47.8	57.3	44.8	25.0	545	
16	7.5	56.2	43.7	54.2	40.7	25.0	543	
20	8.4	54.8	41.8	52.8	38.8	25.0	542	
25	9.4	53.3	39.8	51.3	36.8	24.3	541	
31.25	10.5	51.9	37.9	49.9	34.9	23.6	540	45
62.50	15.0	47.4	31.9	45.4	28.9	21.5	539	
100	19.1	44.3	27.8	42.3	24.8	20.1	538	
200	27.6	39.8	21.8	37.8	18.8	18.0	537	
250	31.1	38.3	19.8	36.3	16.8	17.3	536	
300	34.3	37.1	18.3	35.1	15.3	16.8	536	
400	40.1	35.3	15.8	33.3	12.8	15.9	536	
500	45.3	33.8	13.8	31.8	10.8	15.2	536	

ETL LISTED RoHS 25 YEARS WARRANTY

Issue Date: October '11 Revision: 4