

ADD-CAT6BULK1KPSD-BE

1000ft Non-Terminated Blue CAT 6 Plenum-Rated Bulk Cable

Features

- Color: Blue
- Length: 1000ft
- Non-Terminated Connector
- Not Shielded
- 23AWG
- Solid Copper Patch Cable
- RoHS Compliant

Product Description

This is a 1000ft Non-Terminated Blue CAT 6 Plenum-Rated Bulk Cable. CAT6 cables deliver ultra-fast internet speeds at up to 250 MHz, with a maximum speed of 10 Gbps (Gigabits per second) over shorter distances (up to 55 meters or 180 feet) and 1 Gbps over longer distances (up to 100 meters or 328 feet). They are ideal for high-performance home or office networks. UTP cables consist of pairs of insulated copper wires twisted together. Each pair is color-coded for easy identification. There is no additional shielding around the pairs, which makes these cables lightweight and flexible. The twisting helps to reduce electromagnetic interference (EMI) and crosstalk between pairs. CMP (Plenum) has superior fire resistance and low smoke production, these cables are perfect for installations in air circulation spaces, keeping your home or office safe and compliant with building codes. Our cables are PoE capable and TIA compliant, ensuring performance for all networking needs.

Physical Characteristics

Parameter	Specifications
Environment	Indoor
Connector	Non-Terminated
Color	Blue
Shielded	No
Cable Mode	UTP
Jacket Type	Plenum
Termination Type	Non-Terminated
Length (m)	304.79
Length (ft)	1000
Wire Gauge	23 AWG
Cable Type	CAT6
Snagless	No
Cable Length	1000ft
Conductor Type	Solid
Strain Relief	No
Armored	No
Conductor Material	Solid Annealed Bare Copper
Number of Conductor Pairs	4
Stranding	Solid
Insulation Material	FEP
Overall Diameter	0.038in. ± 0.0002in.
Average Thickness	0.0078in.
Jacket Material	Flame-Retardant PVC
Average Wall Thickness	0.020in.
Nominal Outer Diameter	0.226in. ± 0.008in.
Nominal Weight	31 lbs
Ripcord	Yes
Separator	Yes

Mechanical Characteristics

Parameter		Specifications
Temperature Rating	Installation	0°C to 75°C
	Operating	-20°C to 75°C
Tensile Strength	Before	>= 13.8 Mpa
Elongation	Aging	>= 100%
Aging Condition		100°C x 168 hours
	After	>= 85% of unaged
	Aging	>= 50% of unaged

Electrical Characteristics

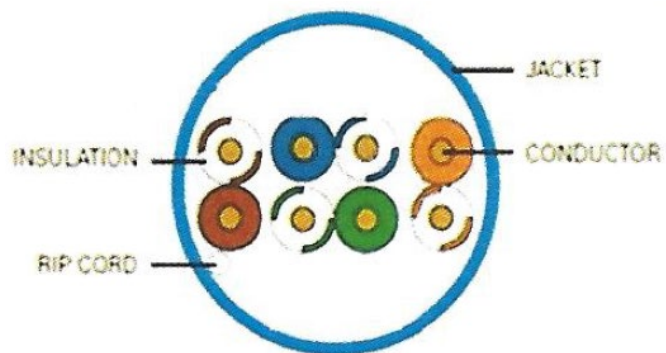
Parameter		Specifications
Maximum Conductor DC Resistance @20°C		9.5 Ω / 100 Meters
Maximum DC Resistance Unbalanced @ 20°C		<2.5%
Maximum Pair-to-Pair Ground Capacitance Unbalance		≤ 330 pF / 100 Meters
Characteristic Impedance (1~350MHz)		≤ 100 ± 15 Ω
Mutual Capacitance		≤ 5.6 nF / 100 Meters
Maximum Delay Skew		≤ 45 nS / 100 Meters

Electrial Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return Loss (dB) Min.	NEXT (dB)Min.	PS-NEXT (dB) Min.
1	2.0	20.0	77.3	75.3
4	3.8	23.6	68.3	66.3
8	5.3	25.4	63.8	61.8
10	5.9	26.0	62.3	30.3
16	7.4	26.0	59.3	57.3
20	8.3	26.0	57.8	55.8
25	9.3	25.5	56.3	54.3
31.25	10.4	25.0	54.9	52.9
62.5	14.9	23.5	50.4	48.4
100	19.0	22.5	47.3	45.3
155	23.9	21.6	45.8	43.5
200	27.4	21.0	42.8	40.8
250	30.8	20.5	41.3	39.3
300	34.0	20.1	40.2	38.2
350	37.0	19.8	39.2	37.2
400	39.7	19.5	38.3	36.3
450	42.1	19.2	37.5	35.5
550	44.8	19.0	36.8	34.8
600	47.3	18.8	36.2	34.2
Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	ACR (dB) Min.	PS-ACR (dB) Min.
1	70.8	67.8	75.0	73.0
4	58.7	55.7	64.0	62.0
8	52.7	49.7	57.7	55.7
10	50.8	47.8	55.6	53.6
16	46.7	43.7	50.7	48.7
20	44.7	41.7	48.2	16.2
25	42.8	39.8	45.6	13.6
31.25	40.9	37.9	42.8	40.8
62.5	34.8	31.8	32.9	30.9
100	30.8	27.8	24.9	22.9
155	27.0	23.6	21.0	21.5
200	24.7	21.7	18.4	16.4
250	22.8	19.8	13.5	11.5
300	21.2	18.2	9.6	5.0
350	19.9	16.9	5.2	3.2
400	18.7	15.7	1.5	
450	17.7	14.7		
500	16.8	13.8		
550	15.9	12.9		
600				

Note: Values above 250MHz are for information only.

Cable Details



Insulation Colors

Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown

About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is ingrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.



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