

## ADD-CAT6BULK1K-BE

1000ft Non-Terminated Blue Cat6 UTP Stranded Copper PVC Patch Cable

### Features

- Color: Blue
- Length: 1000ft
- Non-Terminated Connector
- 24AWG
- Copper Patch Cable
- PVC Jacket



### Product Description

This is a 1000ft non-terminated Blue unshielded twisted pair PVC copper patch cable. The Cat6 cable is a standardized twisted pair cable for Ethernet or other physical network layers. Cat6 standards specify performance of up to 250MHz. Unshielded twisted pair patch cables are perfect for data centers, LANs and other short range network connections. Our patch cables are 100% compliant for all of your networking needs. Our products are guaranteed by federal law to not affect or void OEM warranties.

### Specifications

Parameter	Specification
Application	Patch
Cable Mode	UTP
Color	Blue
Connector	Non-Terminated
Core/Cladding	24AWG
Jacket Type	PVC
Length (ft)	1000
Length (m)	304.8
Media	Copper
Standard	Cat6
Strand Count	8
Termination Type	Non-Terminated

## Construction

Parameter	Specification
Conductor	Bare Copper
4 Twisted Pair	8C
AWG	23
Construction (mm)	1/0.57 ± 0.008
Insulation	PE
Nom. Thickness (mm)	0.225
Insulation Diameter (±0.05mm)	1
Separator	PE Cross
Jacket Nom. Thickness (mm)	0.6
Outer Diameter (±0.2mm)	6.3

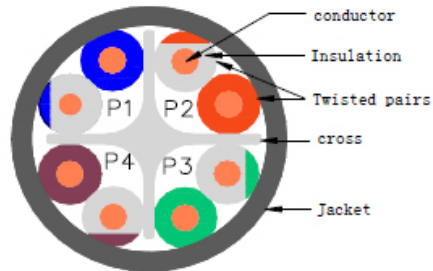
## Electrical Characteristics (20°C)

Parameter	Specification
Max. Conductor DC Resistance (/km)	#23:89
Min. Insulation Resistance (/km)	PE: 100m
Dielectric Strength	AC-500V/1 Min. No Breakdown
D-C Resistance Unbalance	Max. 2%
Pair-to-Ground Capacitance Unbalance	Max. 330PF/100m
Input Impedance	4-100MHz 100+/-15ohm 100-250MHz 100+/-22ohm
Mean Characteristic Impedance @100MHz	100+/-5 OHMS
Nominal Velocity of Propagation (NVP)	68+/-2%
Propagation Delay @ 100MHz	≥ 537.6 ns/100m
Propagation Delay Skew	Max. ≥ 45ns/100m
Insertion Loss	4-250MHZ IEC60332-1
Return Loss	4-250MHZ IEC60332-1
Input Impedance	4-250MHZ IEC60332-1

## Physical Properties

Parameter	Specification	Unit
Conductor Resistance	<93.8	Ω/km
		20°C
<b>Insulation</b>		
Tens Strength (before aging)	>1.68	Kgf/mm <sup>2</sup>
Elongation (before aging)	>300%	%
Insulation shrink back	121°Cx1hr	
Insulation cold bend	-20°Cx4hr	
<b>Jacket</b>		
Tens Strength (before aging)	>1.41	Kgf/mm <sup>2</sup>
Elongation (before aging)	>100%	%
Jacket cold bend	-20°Cx4hr	

## Mechanical Specifications Cross Section



### Insulation Cores: Pairs

P1: Blue & White

P2: Orange & White

P3: Green & White

P4: Brown & White

## **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 engrained 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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