

ADD-CAT6A1KSP-BK

1000ft Non-Terminated Black Cat6A STP Plenum-Rated Copper Patch Cable

Features

- Color: Black
- Length: 1000ft
- Non-Terminated Connector
- 23AWG
- 660MHz
- Copper Patch Cable
- Plenum-Rated



Product Description

This is a 1000ft non-terminated black shielded twisted pair plenum-rated copper patch cable. The Cat6A cable is designed to support the high speed of EoC (Ethernet over Copper) over the full 100 meters. Cat6A cable standards provide a performance of up to 500MHz and is suitable for 100Base-TX, 1000Base-T and 10GBase-T. This plenum-rated cable is the only cable allowed in spaces defined as air plenum-rated, such as raised flooring systems and air handling ducts. plenum-rated cables must self-extinguish and prevent re-ignition. A shielded twisted pair patch cable offer both a higher bandwidth and a more durable cable strength than an unshielded twisted pair cable. 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
Standard	Cat6A
Color	Black
Connector	Non-Terminated
Jacket Type	Plenum
Length (ft)	1000
Length (m)	304.8
Media	Copper
Cable Mode	STP
Strand Count	8
Termination Type	Straight

Construction

Parameter	Specification	
Conductors	23 AWG Solid Bare Annealed Copper	
Insulation	CMP: FEP	
Color Code	Pair 1: Blue-White	1.09 ± 0.02 mm
	Pair 2: Orange-White	1.02 ± 0.02 mm
	Pair 3: Green-White	1.08 ± 0.02 mm
	Pair 4: Brown-White	1.02 ± 0.02 mm
Separator	Filler: FEP	
Core Tape	Mylar	
Drain Wire	26AWG Solid Tinned Copper	
Shield	Polyester-Backed Aluminum Foil (Aluminum Side In)	
Jacket	CMP: LSFR-PVC	

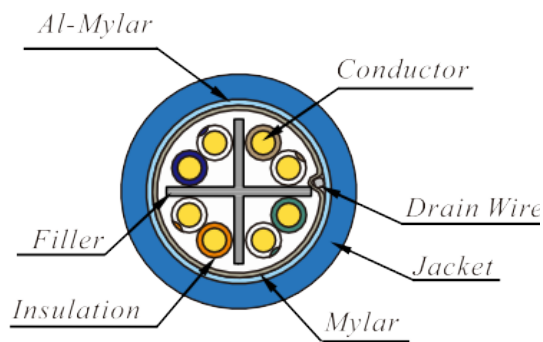
Electrical Characteristics

Parameter	Specification
DC Resistance Ω/100m (328 ft) @ 20°C	9.38
DC Resistance - Unbalanced Individual Pair %	4.00
Delay Skew (Max) ns/100 m	45
Nom. Velocity of Propagation % Speed of Light	70
Characteristic Impedance Frequency (f)	Ω 100 ± 15

Physical Characteristics

Parameter	Specification	Unit
Nominal Cable Diameter	6.9	mm
Nominal Cable Weight	17.59	kg/1000 ft
Minimum Bend Radius	≥ 8 times O.D.	
Maximum Pulling Force	≤ 110 N	
Temperature Rating		
Storage & Shipping	-20 to 75	°C
Installation	0 to 60	°C
Operation	-20 to 60	°C

Mechanical Specifications Cross-Section



Transmission Performance (at 20°C)

Frequency (MHz)	IL (Max.)	NEXT (Min.)	PS. NEXT (Min.)	ACR (Min.)	PS. ACR (Min.)	ACRF (Min.)	PS. ACRF (Min.)	RL (Min.)	Propagation Delay (Max.)
	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	ns/100m
1	2.08	74.30	72.30	72.22	70.22	67.80	64.80	20.00	570.00
4	3.80	65.27	63.27	61.47	59.47	55.76	52.76	23.01	552.00
8	5.31	60.75	58.75	55.44	53.44	49.74	46.74	24.52	546.73
10	5.93	59.30	57.30	53.37	51.37	47.80	44.80	25.00	545.38
16	7.49	56.24	54.24	48.75	46.75	43.72	40.72	25.00	543.00
20	8.38	54.78	52.78	46.41	44.41	41.78	38.78	25.00	542.05
25	9.38	53.33	51.33	43.95	41.95	39.84	36.84	24.32	541.20
31.25	10.50	51.88	49.88	41.37	39.37	37.90	34.90	23.64	540.44
62.5	14.99	47.36	45.36	32.37	30.37	31.88	28.88	21.54	538.55
100	19.14	44.30	42.30	25.17	23.17	27.80	24.80	20.11	537.60
150	23.68	41.66	39.66	17.98	15.98	24.28	21.28	18.87	536.94
200	27.58	39.78	37.78	12.21	10.21	21.78	18.78	18.00	536.55
250	31.07	38.33	36.33	7.26	5.26	19.84	16.84	17.32	536.28
300	34.27	37.14	35.14	2.88	0.88	18.26	15.26	16.77	536.08
350	37.25	36.14	34.14	N.A.	N.A.	16.92	13.92	16.30	535.92
400	40.05	35.27	33.27	N.A.	N.A.	15.76	12.76	15.89	535.80
450	42.71	34.50	32.50	N.A.	N.A.	14.74	11.74	15.53	535.70
500	45.26	33.82	31.82	N.A.	N.A.	13.82	10.82	15.21	535.61
550	47.70	33.19	31.19	N.A.	N.A.	12.99	9.99	14.92	535.54
600	50.05	32.63	30.63	N.A.	N.A.	12.24	9.24	14.66	535.47
650	52.33	32.11	30.11	N.A.	N.A.	11.54	8.54	14.42	535.41
660	52.77	32.01	30.01	N.A.	N.A.	11.41	8.41	14.37	535.40

Values above 500MHz are for information only.

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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