ADD-150FCAT6O-BK
150ft RJ-45 (Male) to RJ-45 (Male) Black CAT6 UTP Outdoor rated Copper Patch Cable

Features
- Color: Black
- RJ-45 Male Connectors
- Length: 150ft
- 23AWG
- 1000 Mbps 1000Base-T Gigabit Ethernet
- ATM 155 Mbps
- Copper Patch Cable
- Operating Temperature -40 to 75 Celsius
- RoHS Compliant

Product Description
This is a 150ft RJ-45 (male) to RJ-45 (male) black CAT6 UTP straight outdoor-rated copper patch cable that is used for high speed data transfer. Our patch cables are 100% compliant for all of your networking needs and are guaranteed by federal law to not affect or void OEM warranties.

Physical Characteristics

Parameter	Specification
Conductor Material	Solid Annealed Bare Copper
Number of Conductor Pairs	4
Size	23 AWG
Stranding	Solid
Insulation Material	HDPE
Overall Diameter	0.040 in.± 0.0002 in
Average Thickness	0.0088 in.
Jacket Material	LDPE
Average Wall Thickness	0.023 in.
Nominal Outer Diameter	0.296 in. ± 0.008 in.
Nominal Weight	38lbs
Shield Material	AI Foil Shield
Ripcord	Yes

Mechanical Chacateristics

Parameter		Specification
Temperature Rating	Installation	-40°C to +75°C
	Operating	-40°C to +75°C
Tensile Strength	Before	>= 19 Mpa
Elongation	Aging	>= 300%
Aging Condition		I00°C x 96 hours
	After	>= 85% of Unaged
	Aging	>= 50% of Unaged

Electrical Characteristics

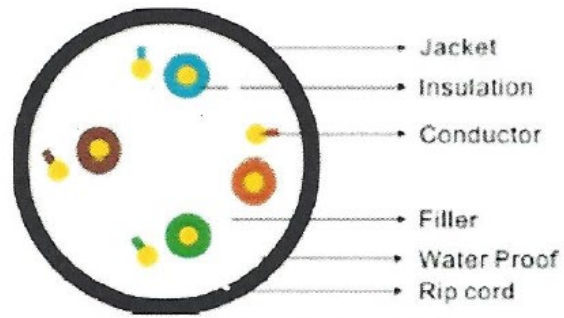| Parameter	Specification
Maximum Conductor DC Resistance @ 20°C	9.5 Ω / 100 Meters
Maximum DC Resistance Unbalanced @ 20°C	≤2.5%
Maximum Pair-to-Pair Ground Capacitance Unbalance	≤ 330pF / 100 Meters
Characteristic Impedance (1-350 MHz)	≤ 100 ± 15 Ω
Mutual Capacitance	≤ 5.6nF / 100 Meters
Maximum Delay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

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return Loss (dB) Min.	NEXT (dB)Min.	PS-NEXT (dB) Min.
1	2.03	20.00	74.30	72.30
4	3.87	23.01	65.27	63.27
10	5.95	25.00	59.30	57.30
16	7.55	25.00	56.24	54.24
20	8.47	25.00	54.78	52.78
25	9.51	24.32	53.33	51.33
31.25	10.67	23.64	51.88	49.88
62.5	15.38	21.54	47.36	45.36
100	19.80	20.11	44.30	51.30
200	28.98	18.00	39.78	37.78
250	32.85	17.32	38.33	36.33
350	39.79	16.30	36.14	34.14
550	51.76	14.92	33.19	31.19
600	50.7	15.7	36.2	42.2

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (ns/ 100rn) Max.	ACR (dB)
1	67.80	64.80	570.00	72.70
4	55.76	52.76	552.00	61.40
10	47.80	44.80	545.38	53.35
16	43.72	40.72	543.00	48.69
20	41.78	38.78	542.05	46.31
25	39.84	36.84	541.20	43.82
31.25	37.90	34.90	540.44	41.21
62.5	31.88	28.88	538.55	31.98
100	27.80	24.80	537.60	24.50
200	21.78	18.78	536.55	10.80
250	19.84	16.84	536.28	5.40
350	16.92	13.92	535.92	-3.65
550	12.99	9.99	536.54	-18.57
600	NIA	NIA	NIA	NIA

Note: Values above 250MHz are information only.

Cable Detail

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 in 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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