

# CA-CAT6-1K-SHLD

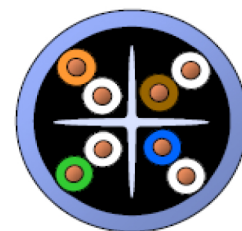
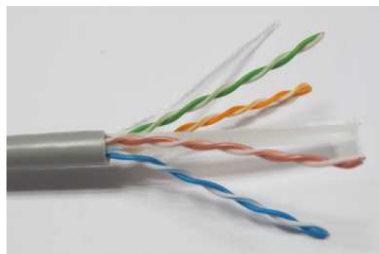
## UTP NETWORK CABLE

**Shielded Twisted Pairs - 4 Pairs, 23AWG**

**Category 6 Cable, according to UL444 communication cable standard**

### Cable Construction:

Conductor: 23AWG (1/0.56mm) Pure Copper  
 Insulation: HDPE 0.96mm  
 Nos of Twisted Pairs: 4 Pairs  
 Separator: Polyolefin Tape  
 Filler: Rip Cord  
 Jacket: PVC, Flame Retardant or CM Grade.  
 Overall Diameter: 0.240" (6.0±0.1 mm)



### Cable Marking:

HF Cable Network Cable UTP CAT6 4 Pairs 23AWG Solid Pure Copper 1000FT

\*Or based on customers request.

### Applications:

Horizontal Wiring in LAN  
 Horizontal and building backbone cable  
 Used in Pathway Systems  
 Surveillance Cameras

### Packing Length:

1. 100M, 305M Pull Box
2. 500FT, 1000FT Pull Box

### Reference Standards:

1. TIA/EIA-568-B.2
2. RoHS Compliant

### Electrical Characteristic:

Conductor DC Resistance (Max): 28.6 ohms/1000ft at 20°C  
 Insulation Resistance (Min): 500 Megohms/1000ft at 20°C  
 Mutual Capacitance: 15 pF/ft  
 Operating Voltage: 300V  
 Operating Temperature: 60°C  
 Nominal Velocity of Propagation: 70%

### Insulation Colors:

1. Orange, White/Orange
2. Blue, White/Blue
3. Green, White/Green
4. Brown, White/Brown

### Typical Performance:

TYPE	1*	4	10	16	31.2	62.5	100	155	200	250	300	MHz
Attenuation	1.65	3.8	5.6	7	10.2	14.9	19.2	24.3	27.5	31	33	dB/100m
NEXT	85	75	70	66	62	58	55	52	50	49	48	
PS NEXT	82	72	67	63	59	55	52	49	47	46	45	
ACR	82	71	64	59	52	43	36	28	22	18	15	
PS ACR	79	68	61	56	49	40	33	25	19	15	12	
ACR-F	80	72	65	59	53	45	43	41	40	37	32	
PS ACR-F	77	69	62	56	50	42	40	38	37	34	29	
Return Loss	25	28	30	30	28	27	26	25	25	25	25	

Designs and specifications are subject to change without notice.

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