



CATEGORY  
**ELECTRICAL  
 CONDUIT & WIRES**  
 AMMO ITEM #  
**CAT6 FLUKE**

Company: \_\_\_\_\_  
 Job: \_\_\_\_\_ #Item: \_\_\_\_\_  
 Notes: \_\_\_\_\_

# UTP CAT6E (FLUKE)



## APPLICATION

High Speed Horizontal Cabling  
 100 Mbps TPDDI , 1000 Base T , 622 Mbps ATM  
 10 Base-T , 100 Base-T4,1000 Base-X , 100 Base-VG Gigabit Ethernet

## STANDARD COMPLIANCES

ANSI/TIA 568-C.2  
 ISO/IEC 11801

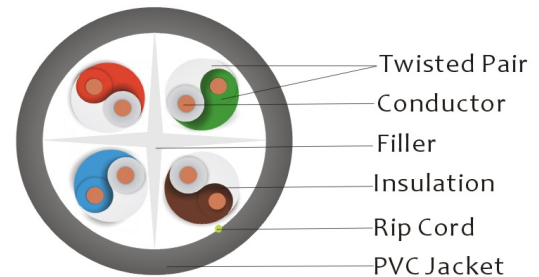
## ELECTRICAL & PHYSICAL CHARACTERISTICS

- Impedance \_\_\_\_\_ 100 ± 15
- Rated Temperature \_\_\_\_\_ °C75
- Delay Skew \_\_\_\_\_ ≤45
- Pair to Pair Capacitance Unbalance ≤330
- DC Resistance Unbalance \_\_\_\_\_ ≤5
- DC Resistance20° \_\_\_\_\_ 10.8
- Resistance Unbalance(%) \_\_\_\_\_ ≤5
- Insulation Resistance \_\_\_\_\_ 5000MΩ\*Km
- Dielectric Strength \_\_\_\_\_ DC 2500V 2S

## CONSTRUCTION CHARACTERISTICS

Conductor	Material	CCA
	AWG	23
	Conductor Diameter(mm)	0.57
Insulation	Material	PE
	Average Thickness(mm)	0.225
	Insulation Diameter(±0.01mm)	1.01
	Min. Point Thickness(mm)	0.196
Shield	Material	UTP
Jacket	Material	PVC
	Min.Thickness(mm)	0.54
	AVG .Thickness(mm)	0.60
	Outer Diameter(mm)	6.0±0.02
	Rip Cord	Nylon
	Color	As your request
Cold Bend		No crack

## CROSS SECTION



## PERFORMANCE

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)	PSNEXT (Min dB)	ELFEXT (Min (dB/100m)	PSELFEXT (Min (dB/100m)	Delay Max (ns/100m)
1	2.0	74.3	72.3	67.8	64.8	570.0	570.0
4	23.0	4.1	65.3	63.3	55.7	52.7	552.0
8	24.5	5.8	60.8	58.8	49.7	46.7	546.7
16	25.0	8.2	56.3	54.3	43.7	40.7	543.0
20	25.0	9.3	54.8	52.8	41.7	38.7	542.0
62.5	21.5	17.0	47.4	45.4	31.8	28.8	538.6
100	20.1	22.0	44.3	42.3	27.8	24.8	537.6
200	18.0	32.4	39.8	37.8	21.7	18.7	536.5
250	17.3	36.9	38.3	36.3	19.8	16.8	536.3

AMMO#	COLOR	WEIGHT (g)	PKG FT	UPC
<b>CAT6E-FLUKE-B</b>	Blue	20	1000	837654114599
<b>CAT6E-FLUKE-GN</b>	Green	21	1000	837654120613
<b>CAT6E-FLUKE-GY</b>	Gray	21	1000	837654120620
<b>CAT6E-FLUKE-R</b>	Red	21	1000	837654120637
<b>CAT6E-FLUKE-W</b>	White	20	1000	837654114599
<b>CAT6E-FLUKE-Y</b>	Yellow	20	1000	837654114636

## ELECTRICAL CONDUIT AND WIRES



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