



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

Company: _____
 Job: _____ #Item: _____
 Notes: _____

UTP CAT6 (Plenum)



APPLICATION

High Speed Horizontal Cabling
 100 Mbps TPDDI , 1000 Base T, 622 Mbps ATM
 IEEE802.3/IEEE802.5, 10 Base-T, 100 Base-T4
 1000 Base-X, 100 Base-VG, Gigabit Ethernet

STANDARD COMPLIANCES

ISO/IEC 11801
 TIA/EIA 568
 IEC 61156-5

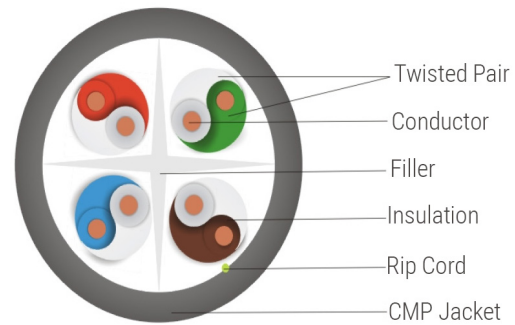
ELECTRICAL & PHYSICAL CHARACTERISTICS

- 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	Solid bare Copper
	AWG	23
	Conductor Diameter(mm)	0.57
Insulation	Material	FEP
	Average Thickness(mm)	0.22
	Insulation Diameter(±0.01mm)	0.95
	Min. Point Thickness(mm)	0.20
Shield	Material	UTP
Jacket	Material	PVC/ LSZH
	Min.Thickness(mm)	0.55
	AVG .Thickness(mm)	0.60
	Outer Diameter(mm)	6.00
	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	20.0	1,8	74.3	72.3	67.8	64.8	570
4	23.0	3,7	65.3	63.3	55.7	52.7	552
8	24,5	5.3	60.8	58.8	49.7	46.7	546.7
16	25.0	7,5	56.3	54.3	43.7	40.7	543
20	25.0	8.4	54.8	52.8	41.7	38.7	542
62.5	21.5	15.4	47.4	45.4	31.8	28.8	538.6
100	20.1	19.8	44,3	42.3	27.8	24.8	537.6
200	18.0	29.0	39.8	37.8	21.7	18.7	536.5
250	17.3	32.8	38.3	36.3	19.8	16.8	536.3
300	16.8	36.4	37.2	35.2	18.2	15.2	536.1
400	15.9	43.0	35.3	33.3	15.7	12.7	535.8

AMMO#	COLOR	WEIGHT (g)	PKG FT	UPC
CAT6P	Blue	27	1000	837654120606

ELECTRICAL CONDUIT AND WIRES



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