

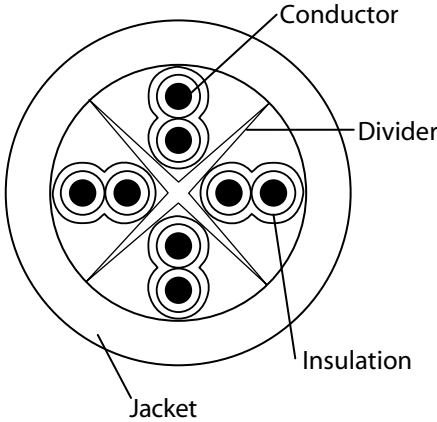
REV.	DESCRIPTION	DATE
A		
B		02-2006

Product Specifications

Construction & Material :

Item	Unit	Specification
Product		CAT-6 UTP 4P
Conductor	Size	AWG 23
	Number	Pairs 4
	Material	Solid Bare Copper
	Construction	pcs / mm 1/0.56
	Diameter	mm 0.56
Insulation	Material	HD-PE
	Min.thickness	mm 0.184
	Avg.thickness	mm 0.207
	Diameter	mm 1.05
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	See Cross Section
Cabling	Construction	See Cross Section
Jacket	Material	PVC
	Min.thickness	mm 0.45
	Avg.thickness	0.55
	Overall Diameter	mm 6.20 ± 0.20
	Color	By Order

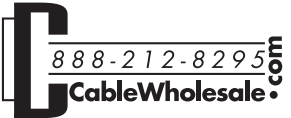
Cross Section:



Black Marking TYPE CM 23AWG 60 (UL) E188630 CSA LL81295 CMG, ETL VERIFIED
TIA/EIA-568-B. CAT-6 UTP Patch Cable UTP

DRAWER	MPD
CHECKED	MAC
APPROVED	MAC

COLORS:	PART NUMBER:	TITLE:
Gray, Black, Orange, Purple, Green, Blue, Red, Pink, Yellow, White	10X8-0xxTH	CAT-6 UTP, 23AWG, Solid



Electrical Property :

REV.	DESCRIPTION	DATE
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Item		Unit	Specification		Standard		
D-C Resistance		0/100M	AT 20		DC Max.9.38		
D-C Resistance Unbalance		%	-----		Max.5		
Capacitance Unbalance		pF/100M	-----		Max.330		
Characteristic Impedance 1.0~100.0MHz		0/100M	-----		100 \pm 5		
Dielectric Withstand		VAC/1MIN	700		No Breakdown		
Frequency MHz	Attenuation dB/100m	NEXT Pair-Pair (dB)	NEXT Power Sum (dB)	ELFEXT Pair-Pair (dB)	ELFEXT Power Sum (dB)	Return Loss (dB)	Propagation Delay ns/100m
1	2.4	74.3	72.3	67.8	64.8	20.0	570.00
10	7.8	59.3	57.3	47.8	44.8	25.0	545.4
31.25	9.9	51.9	49.9	37.9	34.9	23.7	540.4
62.5	11.1	47.4	45.4	31.9	28.8	21.6	538.6
100	12.5	44.3	42.3	27.8	24.8	20.2	537.6
155	14.1	41.5	39.5	23.9	20.9	18.8	536.9
200	20.4	39.8	37.8	21.7	18.7	18.0	536.5
250	26.4	38.3	36.3	19.8	16.8	17.4	536.3

DRAWER	MPD
CHECKED	MAC
APPROVED	MAC
