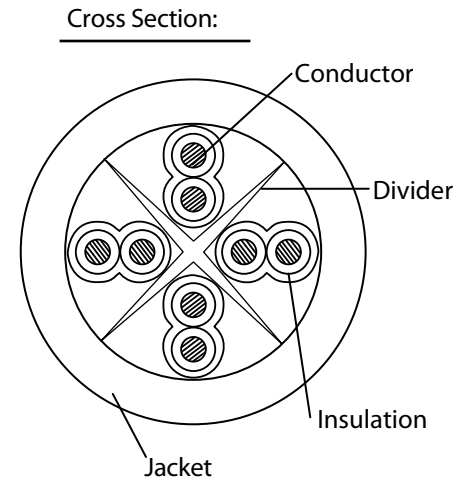


# Product Specifications

REV.	DESCRIPTION	DATE
B		02-2006
C		11-2013

## Construction & Material :

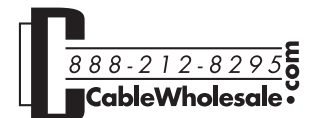
Item	Unit	Specification
Product		CAT-6 UTP 4P
Conductor	Size	AWG 24
	Number	Pairs 4
	Material	Stranded Bare Copper
	Construction	pcs / mm 7/0.203
	Diameter	mm 0.609
Insulation	Material	HD-PE
	Min.thickness	mm 0.152
	Avg.thickness	mm 0.171
	Diameter	mm 0.99
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	See Cross Section
Divider	Material	PE
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
Marking	550MHz (UL) E305668 TYPE CM 24AWG 75°C C(UL)E305668 CM 75°C ETL VERIFIED ANSI/TIA-568.2-D UTP CAT.6 RoHS COMPLIANCE 20220317	



DRAWER	JL
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Black Cable : White Marking  
Other Cable : Blue Marking

COLORS:	PART NUMBER:	TITLE:
Gray,Black,Orange, Purple, Green,Blue, Red, Pink,Yellow, White	10X8-0xx5H	CAT-6 UTP, 24AWG, Stranded



Electrical Property :

REV.	DESCRIPTION	DATE
B		02-2006
C		11-2013

Item		Unit	Specification			Standard
D-C Resistance		Ohm/100M	AT 20°C			DC Max.9.38
D-C Resistance Unbalance		%	-----			Max.5
Capacitance Unbalance		pF/100M	-----			Max.330
Characteristic Impedance 1.0~100.0MHz		Ohm/100M	-----			100 ± 15
Temperature Rating		°C	Celsius			-10 / +75
Dielectric Withstand		AC / 2 Sec.	1500V			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)
1	2.4	74.3	72.3	67.8	64.8	20.0
10	7.1	59.3	57.3	47.8	44.8	25.0
31.25	12.8	51.9	49.9	37.9	34.9	23.3
62.5	18.5	47.4	45.4	31.9	28.8	20.7
100	23.8	44.3	42.3	27.8	24.8	19.0
125	26.8	42.8	40.8	25.9	22.9	18.2
200	34.8	39.8	37.8	21.7	18.7	16.4
250	39.4	38.3	36.3	19.8	16.8	15.6

DRAWER	JL
CHECKED	MAC
APPROVED	MAC
