

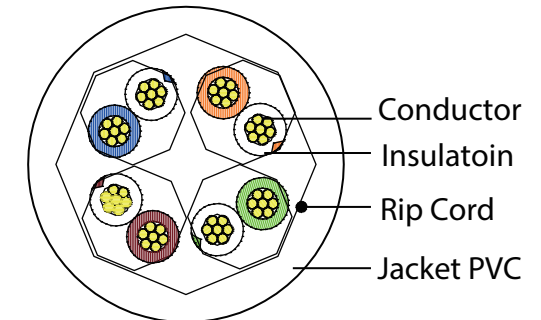
## Construction & Material :

Item	Unit	Specification
Product		CAT.5e UTP 4P CMR Rated
Conductor	Size	AWG 24
	Number	pairs 4
	Material	Solid Annealed Bare Copper
Insulation	Material	Polyethylene
	Min.thickness	mm 0.18
	Avg.thickness	mm 0.20
	Diameter	mm 0.90±0.05
	Color	Blue-White/Blue      Orange-White/Orange Green-White/Green      Brown-White/Brown
Twisting	Construction	See Cross Section
Cabling	Construction	Left hand direction
Rip Cord	Material	Polyester multi-yarn
	Material	Flame Retardant PVC
	Min.thickness	mm 0.45
	Avg.thickness	mm 0.58
	Overall Diameter	mm 5.00±0.20
	Color	By Order
Marking	CATEGORY 5E 350MHZ 24AWG 4 PR UTP XXXXXX CRT CMR C(ETL)US ETL LISTED & VERIFIED TO TIA - 568-C.2 ****FT	

Rev.	Description	Date
A		03-2020

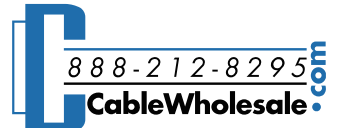
### Color Options

21 Gray  
22 Black  
31 Orange  
41 Purple  
51 Green  
61 Blue  
71 Red  
72 Pink  
81 Yellow  
91 White  
92 Ivory



Cross-Section



Item Number:	10X6-0xxTH	
Title:	Bulk CAT5e 24AWG Ethernet Cable, Solid, UTP (Unshielded Twisted Pair), Pullbox, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	125	

Electrical Property :

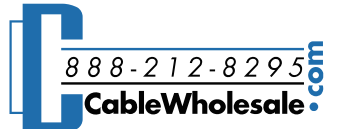
Item	Unit	Specification	Standard					
D-C Conductor Resistance	Ohms/100M	AT 20°C	Max 9.65					
D-C Resistance Unbalance	%	----	Max.5					
Capacitance Unbalance	pF/100 M	----	Max.330					
Characteristic Impedance 1.0-100.0 MHz	Ohms/100M	----	100 ± 15					
Temperature Rating	°C	----	-20°C to +75°C					
Dielectric Strength	/	/	AC 1.5kv / 2sec					
Frequency	Attenuation	Return Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB(100m)	dB	dB	dB	dB	dB	dB	dB
	Maximum	Minimum	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum
0.772	1.8	23.0	72.0	70.0	66.0	63.0	70.2	68.2
1.0	2.0	23.0	70.3	68.3	63.8	60.8	68.2	66.3
4.0	4.1	23.0	61.2	59.3	51.7	48.7	57.2	55.2
8.0	5.8	24.5	56.8	54.8	45.7	42.7	51.0	49.0
10.0	6.5	25.0	55.3	53.5	43.8	40.8	48.8	47.0
16.0	8.2	25.0	52.3	50.3	39.7	36.7	43.0	42.1
20.0	9.3	25.0	50.8	48.8	39.7	34.7	41.5	39.5
25.0	10.4	24.3	49.3	47.3	35.8	32.8	38.9	36.9
31.25	11.7	23.6	47.9	45.9	33.9	30.9	36.5	34.2
62.5	17.0	21.5	43.4	41.4	27.8	24.8	26.4	24.4
100	22.0	20.1	40.3	38.3	23.8	20.8	18.3	16.3
155	28.1	18.8	37.4	35.4	19.9	16.9	10.0	7.3
200	32.4	18.0	35.7	33.7	17.7	14.7	5.0	2.0
250	38.9	17.5	34.8	32.5	17.1	14.0	0.0	-
300	41.0	16.8	33.1	31.1	16.7	13.5	-	-
350	44.9	16.3	32.1	30.1	16.0	12.8	-	-

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Applicable Standards

1. ETL Listed Type CMR
2. C(ETL) listed CMG FT4
3. ROHS Compliant
4. ATM 155 Mbps
5. Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG,
6. 100BASE-T4
7. 1000 Mbps 1000BASE-T Gigabit Ethernet (IEEE 802.3)
8. 16 Mbps Token Ring (IEEE 802.5)

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1	Specifications
No.	