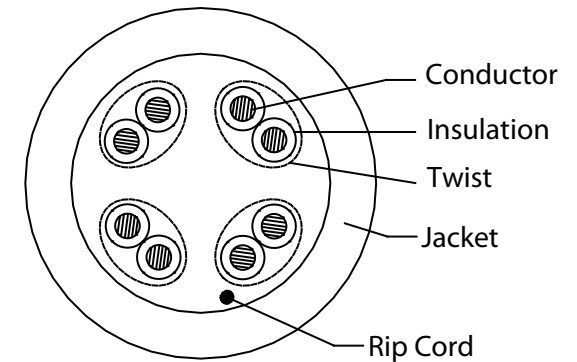


Rev.	Description	Date
A		04-2021

Construction & Material :

Item	Unit	Specification
Product		CAT.5E UTP 4P CMP Rated
Conductor	Size	AWG 24
	Number	pairs 4
	Material	Solid Bare Copper
Insulation	Material	Polymer Alloy(FEP)
	Avg.thickness	mm 0.19
	Diameter	mm 0.89±0.005
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Cabling	Construction	See Cross Section
Rip Cord	Construction	Yes
Jacket	Material	Flame Retardant PVC
	Avg.thickness	mm 0.48
	Overall Diameter	mm 5.08±0.20
	Color	By Order
Marking	Exxxxxx CATEGORY 5E 350MHZ 24AWG 4PR UTP CMP 75C FT6 C(UL)US VERIFIED (ETL) ANSI/TIA-568-C.2 ****FT	
Nominal Weight	20 lbs.	

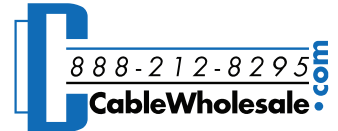


Cross Section

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

UL certified
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TIA 568-C.2



Item Number:	11X6-0xxTH	
Title:	Cat5e Plenum Solid Copper Ethernet Cable, UTP (Unshielded Twisted Pair), CMP, 24 AWG, Pullbox, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	125	

No.	Specifications
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Electrical Property :

Item	Unit	Specification	Standard					
D-C Conductor Resistance	Ohms/100 M	AT 20°C	Max 9.38					
D-C Resistance Unbalance	%	----	Max.5					
Capacitance Unbalance	pF/100 M	----	Max.330					
Characteristic Impedance 1.0-350.0 MHz	Ohms/100 M	----	100 ± 15					
Mutual Capacitance	nF / 100 M	----	5.6					
Delay Skew	nS / 100 M	----	Max.40					
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	37.7	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	-	-

Values above 100MHz are information only.



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TIA 568-C.2

Rev.	Description	Date
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Mechanical Characteristics

Temperature Rating	Installation	0°C to +60°C
	Operating	-20°C to +75°C
Tensile Strength	Before	≥ 13.8 M pa
Elongation	Aging	≥ 100%
Aging Condition		100°C x 240 hours
	After	≥ 85% of unaged
	Aging	≥ 50% of unaged

Applicable Standards

- UL Listed Type CMP
- C(UL) listed CMG FT4
- UL Verified to TIA-568-C.2
- ISO/IEC 11801
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™(IEEE 802.5)

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