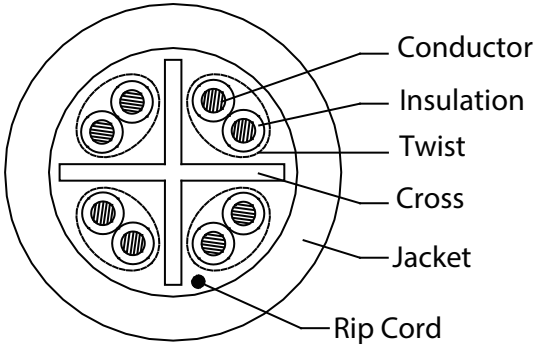


Rev.	Description	Date
A		03-2022

Construction & Material :

Item	Unit	Specification
Product		CAT6 UTP 4P CMR Rated
Conductor	Size	AWG 1/0.55 23AWG
	Number	pairs 4
	Material	Solid Annealed Bare Copper
Insulation	Material	HDPE
	Avg.thickness	mm 0.19
	Min.thickness	mm 0.18
	Diameter	mm 0.95±0.05
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	See Cross Section
Cross	Material	PE
Cabling	Construction	See Cross Section
Rip Cord	Construction	Yes
Jacket	Material	PVC
	Avg.thickness	mm 0.55
	Min.thickness	mm 0.45
	Overall Diameter	mm 6.20±0.20
	Color	By Order
Marking	TYPE CM 75°C (UL) Exxxxxx 23AWG CSA LLxxxxxx CMG 75°C FT4 ETL VERIFIED TIA/EIA-568-B.2-1 CAT.6 UTP XXXXMM xxxxFT Note 1: XXXX / Year , MM/ Month Note 2: Color / Inkjet (Black / White) ; (Other Color / Black)	

Color Options
21 Gray
61 Blue
91 White



Cross Section

Item Number:	10X8-0xxTF	
Title:	Bulk Cat6 Gray Ethernet Cable, Solid, UTP (Unshielded Twisted Pair), Pullbox, 500 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	339	

No.	Specifications
-----	----------------

Rev.	Description	Date
A		03-2022

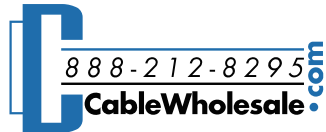
Electrical Property :

Item	Unit	Specification	Standard					
D-C Conductor Resistance	Ohms/100M	AT 20°C	Max 9.38					
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	-----	75°C					
Dielectric Withstand	AV/2 Sec.	1500V	No Breakdown					
Frequency	Attenuation	Return Loss	NEXT	PS-NEXT	ACRF	PSACRF	Propagation Delay	Delay Skew
MHz	dB(100m) Max	dB(100m) Min	dB(100m) Min	dB(100m) Min	dB(100m) Min	dB(100m) Min	ns(100m) Max	ns(100m) Max
1	2.0	20.0	74.3	72.3	67.8	65.0	570.0	45
4	3.8	23.0	65.3	63.3	55.8	53.0	552.0	
10	6.0	25.0	59.3	57.3	47.8	45.0	545.4	
16	7.6	25.0	56.2	54.2	43.7	40.9	543.0	
20	8.5	25.0	54.8	52.8	41.8	39.0	542.0	
31.25	10.7	23.6	51.9	49.9	37.9	35.1	540.4	
62.5	15.4	21.5	47.4	45.4	31.9	29.1	538.6	
100	19.8	20.1	44.3	42.3	27.8	25.0	537.6	
200	29.0	18.0	39.8	37.8	21.8	19.0	536.5	
250	32.8	17.3	38.3	36.3	19.8	17.0	536.3	

Electrical & Physical Properties

Insulation	Unaged	Tensile Strength	2400 PSI Min.(1.68kg/mm2)
	Aged	Elongation	300% Min.
	Unaged	Tensile Strength	Min. 75% (100cC x 48 hrs)
	Aged	Elongation	Min. 75% (100cC x 48 hrs)
Jacket	Unaged	Tensile Strength	2000 PSI Min.(1.41kg/mm2)
	Aged	Elongation	100% Min.
	Unaged	Tensile Strength	Min.85% (100cC x 240 hrs)
	Aged	Elongation	Min. 50% (100cC x 240 hrs)
Temperature Rating		Installation	0°C to +60°C
		Operating	-20°C to +60°C
Minimum bending radius		≥ 4 times of overall diameter	
Maximum pulling tension		≤ 110 N	
Spark Test		2.5 KV	
Cold Bend Test		-20°C x 4hrs No Crack	

RoHS

Item Number:	10X8-0xxTF	
Title:	Bulk Cat6 Gray Ethernet Cable, Solid, UTP (Unshielded Twisted Pair), Pullbox, 500 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	339	

No.	Specifications
-----	----------------