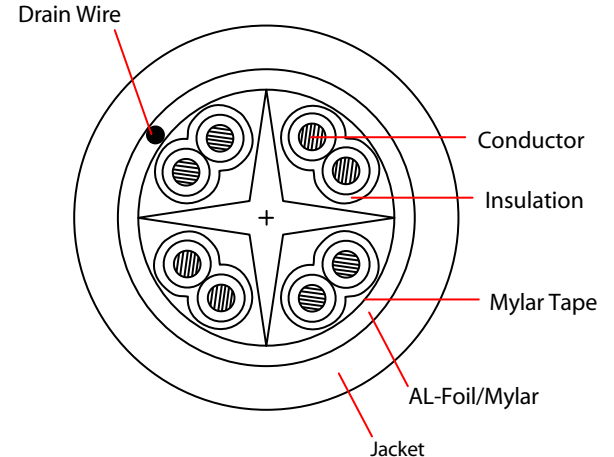


Construction & Material :

Item		Unit	Specification
Product			CAT6 STP 4P
Conductor	Size	AWG	24
	Number	Pairs	4
	Material		Solid Bare Copper
	Construction	pcs / mm	1/0.52
	Diameter	mm	0.52
Insulation	Material		HD-PE
	Min.thickness	mm	0.23
	Avg.thickness	mm	0.24
	Diameter	mm	1.03
	Color		Blue-White/Blue Green-White/Green Orange-White/Orange Brown-White/Brown
Twisting	Construction		See Cross Section
Cabling	Construction		See Cross Section
Taping	Material		Mylar
	Size	mm	0.025 x 25
	Lay Length	%	Overlap 25
	Type		Lengthways Wrapped
Drain Wire	Material		Stranded Tinned Copper
	Construction	pcs / mm	7/0.20
Shielding	Material		AL-Foil / Mylar
	Size	mm	0.038 x 25
	Lay Length	%	Overlap 25
Jacket	Material		PVC
	Min.thickness	mm	0.50
	Avg.thickness		0.52
	Overall Diameter	mm	6.50±0.10
Color			By Order
Black Marking	E224758 (UL) C(UL) CM FT4 ETL CAT6 STP 4PR 23AWG CMG 550MHZ VERIFIED TIA/EIA-568B.2.1		

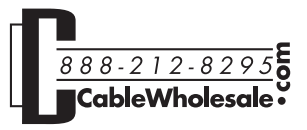
REV.	DESCRIPTION	DATE
A		
B		07-2007

Cross Section:



DRAWER	MPD
CHECKED	MAC
APPROVED	MAC

COLORS:	PART NUMBER:	TITLE:
Gray	10X8-5xxTH	CAT6 550MHz Cable, 24AWG, STP, 4P, Solid



Electrical Property :

REV.	DESCRIPTION	DATE
A		
B		07-2007

Item		Unit	Specification		Standard		
D-C Resistance		Ω/100M	AT 20C		DC Max. 8.2		
D-C Resistance Unbalance		%	-----		Max. 3		
Capacitance Unbalance		pF/100M	-----		Max. 65.6		
Characteristic Impedance 1 - 550MHz		Ω/100M	-----		100 ± 15		
Dielectric Withstand		VAC/1MIN	700		No Breakdown		
Frequency MHz	Max Attenuation dB/100m	Min NEXT (db)	Min ACR (db)	Min PSNEXT (db)	Min PSACR (dB)	Min ELFEXT (dB)	Min Return Loss (dB)
1	1.9	82.3	80.5	73.3	78.5	70.8	20.0
10	5.7	67.3	61.6	65.3	59.6	53.8	25.0
16	7.2	64.3	57.0	62.3	55.0	49.7	25.0
20	8.1	62.8	54.7	60.8	52.7	44.8	25.0
25	9.1	61.3	52.3	59.3	50.3	44.8	25.0
31.25	10.2	59.9	49.7	57.9	47.7	43.9	25.0
62.5	14.7	55.4	40.7	53.4	38.7	37.9	25.0
100	18.9	52.3	33.4	50.3	31.4	33.8	25.0
200	27.5	47.8	20.3	45.8	18.3	27.8	21.7
400	40.6	41.3	2.6	39.3	0.6	21.8	19.7
500	46.2	39.8	N/A	37.8	N/A	19.8	18.5

DRAWER	MPD
CHECKED	MAC
APPROVED	MAC
