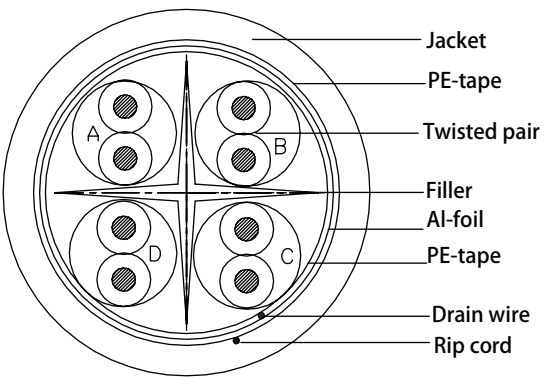


Construction & Material :

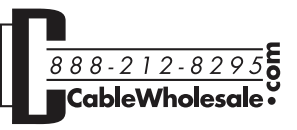
Item	Unit	Specification
Product		CAT-6 STP 4P
Conductor	Size	AWG 23
	Number	Pairs 4
	Material	Solid Bare Copper
	Diameter	mm 0.585
Insulation	Material	PE
	Min.thickness	mm 0.230
	Avg.thickness	mm 0.230
	Diameter	mm 1.10
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Separator	Material	LDPE
Taping	Material	Mylar
Drain Wire	Material	Tinned Copper
	Diameter	mm 0.40
Shielding	Material	AL-Foil / Mylar
Jacket	Material	PVC
	Min.thickness	mm 0.60
	Avg.thickness	mm 0.65
	Overall Diameter	mm 8.00 +/- 0.20mm
	Color	By Order
Marking	E223070 VERIFIED (UL) & (ETL) CMR FT4 CATEGORY 6E 550 MHZ TO TIA/EIA-568B.2-1 23 AWG 4 PR FTP C(UL) XXXXFT	

REV.	DESCRIPTION	DATE
A		
B		02-2006



DRAWER	BA
CHECKED	MAC
APPROVED	MAC



COLORS:	PART NUMBER:	TITLE:
Gray, Blue, White	10X8-5xxNH	CAT-6 STP, 23AWG, Solid



REV.	DESCRIPTION	DATE
A		
B		02-2006

Electrical Characteristics:			
1.0-250.0MHz Impedance (ohms)			100 ± 15
1.0-250.0MHz Delay Skew (ns/100m)			<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)			<=330
Max. Conductor DC Resistance 20°C (ohms/km)			95
Resistance Unbalance (%)			<=5
Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	Delay Max (ns/100m)
0.772	74.0	70.0	-
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.2	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.4	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0
Mechanical Characteristics:			
Test Object			Jacket
Test Material			PVC
Before Tensile Strength (Mpa)			>=13.8
Aging Elongation (%)			>=100
Aging Condition (°Cxhrs)			100x168
After Tensile Strength (Mpa)			>=85% of unaged
Aging Elongation (%)			>=50% of unaged
Cold Bend (-20±2°Cx4hrs)			No crack

DRAWER	BA
CHECKED	MAC
APPROVED	MAC
	

COLORS:	PART NUMBER:	TITLE:
Gray, Blue, White	10X8-5xxNH	CAT-6 STP,23AWG,Solid

