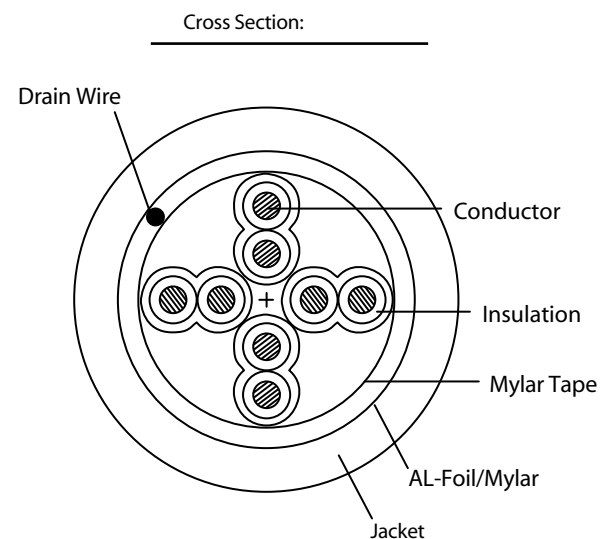


Construction & Material :

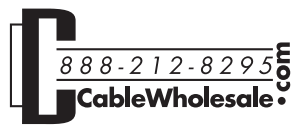
Item	Unit	Specification
Product		CAT-5 E STP 4P
Conductor	Size	AWG 24
	Number	Pairs 4
	Material	Solid Bare Copper
	Construction	pcs / mm 1/0.50
	Diameter	mm 0.50
Insulation	Material	HD-PE
	Min.thickness	mm 0.176
	Avg.thickness	mm 0.198
	Diameter	mm 0.96
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green 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	Solid Tinned Copper
	Construction	pcs / mm 1 / 0.52
Shielding	Material	AL-Foil / Mylar
	Size	mm 0.030 x 17
	Lay Length	% Overlap 25
Jacket	Material	PVC
	Min.thickness	mm 0.45
	Avg.thickness	0.55
	Overall Diameter	mm 6.00 ± 0.20
Color		By Order
Marking	TYPE CM 75°C (UL) E188630 24AWG CSA LL81295 CMG 75°C FT4 ETL VERIFIED TIA/EIA-568-B.2 CAT.5e Shielded	

REV.	DESCRIPTION	DATE
B		07-2013
C		11-2013



DRAWER	JL
CHECKED	MAC
APPROVED	MAC

Black Cable : White Marking Other Cable : Black Marking	COLORS:	PART NUMBER:	TITLE:
	Gray, Black, Orange, Purple, Green, Blue, Red, Pink, Yellow, White	10X6-5xxTH	CAT-5.E STP, 24AWG, Solid



Electrical Property :

REV.	DESCRIPTION	DATE
B		02-2006
C		11-2013

Item		Unit	Specification			Standard	
D-C Resistance		Ohm/100M	AT 20°C			DC Max.9.38	
D-C Resistance Unbalance		%	-----			Max.5	
Capacitance Unbalance		pF/100M	-----			Max.330	
Characteristic Impedance 1.0~100.0MHz		Ohm/100M	-----			100±15	
Temperature Rating		°C	Celsius			-10 /+ 75	
Dielectric Withstand		AC/2 Sec.	1500V			No Breakdown	
Frequency MHz	Attenuation dB/100m	NEXT Pair-Pair (dB)	NEXT Power Sum (dB)	ELFEXT Pair-Pair (dB)	ELFEXT Power Sum (dB)	Structural Return Loss (dB)	Return Loss (dB)
1	2.0	65.3	62.3	63.8	60.8	23.0	20.0
10	6.5	50.3	47.3	43.8	40.8	23.0	25.0
16	8.2	47.3	44.4	39.7	36.7	23.0	25.0
20	9.3	45.8	42.8	37.7	34.7	23.0	25.0
25	10.4	44.4	41.3	35.8	32.8	22.0	24.3
31.25	11.7	42.9	39.9	33.9	30.9	21.1	23.6
62.5	17.0	38.4	35.4	27.8	24.8	18.1	21.5
100	22.0	35.3	32.3	23.8	20.8	16.0	20.1

DRAWER	JL
CHECKED	MAC
APPROVED	MAC
