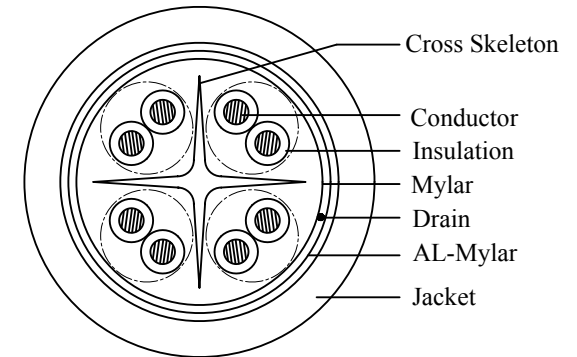


Construction & Material :

Item			Unit	Specification
Product				CAT-6 FTP 4P CMR Rated
Conductor	Size		AWG	23
	Number		pairs	4
	Material			Solid Bare Copper
Insulation	Blue, Green	Nom.Thick	mm	0.265
		Diameter	mm	1.08
	Orange, Brown	Nom.Thick	mm	0.250
		Diameter	mm	1.05
	Material			HDPE
Color			Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown	
Twisting	Construction			See Cross Section
Cabling	Construction			See Cross Section
Separator	Material			PE
Taping	Material			Mylar
	Lay Length		%	Overlap 25
Drain Wire	Material			Stranded Tinned Copper
Shielding	Material			AL-Mylar
	Lay Length		%	Overlap 25
Jacket	Material			FR-PVC
	Min.thickness			0.40
	Avg.thickness		mm	0.45
	Overall Diameter		mm	7.20±0.20
	Color			By Order
Marking	CATEGORY 6E 600MHZ 23AWG 4 PR FTP XXXXXX CMR C (ETL) US ETL LISTED & VERIFIED TO TIA-568-C.2****FT			

REV.	DESCRIPTION	DATE
A		01-2015

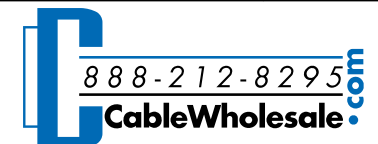
RoHS



Cross Section

DRAWN	JL
CHECKED	
APPROVED	

ID(NO.)	COLORS	PART NUMBER	TITLE
97	Gray, Black, Orange, Purple, Green, Blue, Red, Pink, Yellow, White	10X8-5xxNH	Bulk Shielded Cat6 Ethernet Cable, FTP Solid, Spool, 1000 foot



REV.	DESCRIPTION	DATE
A		01-2015

Electrical Property :

Item		Unit	Specification	Standard				
D-C Resistance		Ohm/100M	AT 20°C	DC Max 9.38				
D-C Resistance Unbalance		%	-----	Max 5.0				
Capacitance Unbalance		pF/100M	-----	Max 330				
Characteristic Impedance (1-400MHz)		Ohm/100M	-----	100±15				
Rating Temp Voltage		°C	Celsius	-10 /+75				
Dielectric Withstand		AC / 2 Sec.	1500V	NO Breakdown				
Frequency	Attenuation	NEXT	ACR	PS-NEXT	PS-ACR	ACRF	PS-ACRF	Return Loss
MHz	dB(100m)	dB	dB	dB	dB	dB(100m)	dB(100m)	dB
	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4	3.8	65.3	61.5	63.3	59.5	55.7	52.7	23.0
8	5.3	60.8	55.3	58.8	53.3	49.7	46.7	24.5
10	6.0	59.3	53.3	57.3	51.3	47.8	44.8	25.0
16	7.6	56.3	48.7	54.3	46.7	43.7	40.7	25.0
20	8.5	54.8	46.3	52.8	44.3	41.7	38.7	25.0
25	9.6	53.3	43.7	51.3	41.7	39.8	36.8	24.3
31.25	10.7	51.9	41.2	49.9	39.2	37.9	34.9	23.6
62.5	15.4	47.4	32.0	45.1	30.0	31.8	28.8	21.5
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1
155	25.1	41.5	16.4	39.5	14.4	23.9	20.9	18.8
200	29.0	39.8	10.8	37.8	8.8	21.7	18.7	18.0
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3
300	36.4	37.2	0.8	35.2	0	18.2	15.2	16.8
400	43.0	35.3	NA	33.3	NA	15.7	12.7	15.9



DRAWER	JL
CHECKED	
APPROVED	

