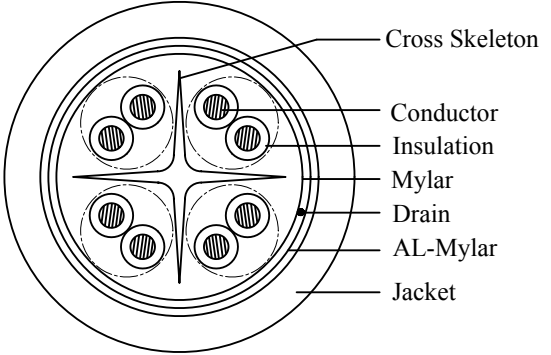


REV.	DESCRIPTION	DATE
A		01-2015


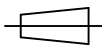
Construction & Material :

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

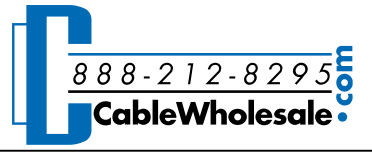
RoHS



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	

