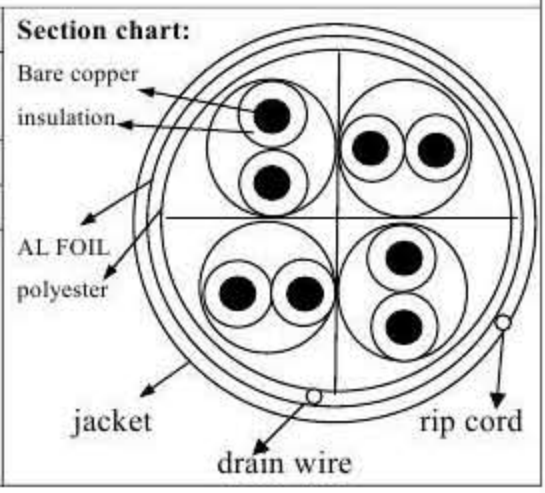
Product specification

Product	CAT6 FTP SOLID 23AWG×4P		NO.		Page	1/2
Edition		Established Date	2012.08.25	Revised Date	2013.01.17	
Approval		Checked		Finish		

Configuration & Physical Characters:

1. Conductor	Material	Bare Copper
	Size	23AWG
	Construction	1/0.57 ± 0.025
2. Insulation	Material	HD-PE
	Thickness	MIN at any point: 0.24 mm MAX AVG:0.26 mm
	Diameter	1.08 ± 0.02
	Colors	Blue-White/Blue
		Orange-White/Orange
		Green-White/Green
		Brown-White/Brown
3. stranding	Material	Polyester:0.035*25mm
	Material	AL FOIL :0.065*25mm
	DRAIN WIRE	1/0.40±0.02mm
	Material	Latin Cross (PE) 5.0*0.7mm
4. Jacket	Material	LSOH OR PVC
	Thickness	MIN at any point: 0.53mm MAX AVG: 0.55mm
	Diameter	6.8 ± 0.3
	Colors	Assorted upon request
	Marking	According to production specification

Section chart:



Electric Characters:

1. Spark Test	2000 ± 250 VOC
2. Dielectric strength	1000V dc/3 seconds
3. Insulation Resistance	MIN 150M Ω /KM
4. Conductor Resistance	MAX 9.38 Ω /100m at 20℃
5. Resistance Unbalance	MAX 5%
6. Capacitance Unbalance	MAX 330pF/100m
7. Mutual Capacitance	MAX 560pF/100m
8. Impedance	100± 15 Ω

Freq.	IMP	ATT	RL	ACR	PS-ACR	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	Ω	dB/100m	dB/100m	dB/100m	dB/100m	dB	dB	dB/100m	dB/100m
		Max.	Min.	Min.	Min.	Min.	Min.	Min.	Min.
1.0	100±15	2.0	20.0	72.3	70.3	74.3	72.3	67.8	64.8
4.0	100±15	3.8	23.0	61.5	59.5	65.3	63.3	55.8	52.8
8.0	100±15	5.3	24.5	55.4	53.4	60.8	58.8	49.7	46.7
10.0	100±15	6.0	25.0	53.3	51.3	59.3	57.3	47.8	44.8
16.0	100±15	7.6	25.0	48.6	46.6	56.2	54.2	43.7	40.7
20.0	100±15	8.5	25.0	46.3	44.3	54.8	52.8	41.8	38.8
25.0	100±15	9.5	24.3	43.8	41.8	53.3	51.3	39.8	36.8
31.25	100±15	10.7	23.6	41.4	39.1	51.9	49.9	37.9	34.9
50	100±15	13.6	22.4	35.6	33.6	49.2	47.2	34.3	31.3
62.5	100±15	15.4	21.5	31.9	29.9	47.4	45.4	31.9	28.9
100.0	100±15	19.8	20.1	24.4	22.4	44.3	42.3	27.8	24.8
155.0	100±15	25.2	18.8	20.4	18.4	42.8	40.8	25.9	22.9
200.0	100±15	29.0	18.0	10.6	8.6	39.8	37.8	21.8	18.8
250.0	100±15	32.8	17.3	5.3	3.3	38.3	36.3	19.8	16.8