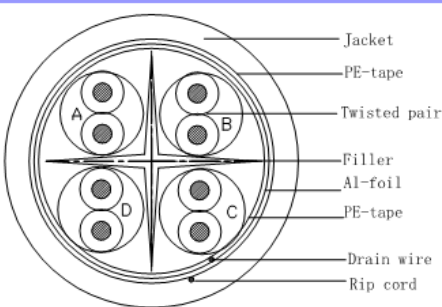


4*2*0.585		DATE:2007-10-11			
Cross Section		Performance			
		Electrical Characteristics:			
		1.0-250.0MHz Impedance (ohms)	100 ± 15		
		1.0-250.0MHz Delay Skew (ns/100m)	<=45		
		Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330		
		Max. Conductor DC Resistance 20°C (ohms/km)	95		
		Resistance Unbalance (%)	<=5		
Description		Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
Rated Temperature (°C)		0.772	19.4	1.8	76.0
Rated Voltage(V)		1	20.0	2.0	74.3
Product Standard Certification		4	23.0	3.8	65.3
Flammability Test		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
Construction		Frequency (MHz)	PSNEXT (Min dB)	ELFEXT (Min dB/100m)	Delay Max (ns/100m)
Conductor Solid Bare Copper		0.772	74.0	70.0	-
AWG 23		1	72.3	67.8	570.0
Conductor Dia. (mm) 0.585		4	63.3	55.8	552.0
Insulation PE		8	58.8	49.7	546.0
Min. Point Thickness(mm) 0.230		10	57.3	47.8	545.0
Insulation Dia.(±0.01mm) Blue 1.08		16	54.2	43.7	543.0
Insulation Dia.(±0.01mm) Orange 1.12		20	52.8	41.8	542.0
Insulation Dia.(±0.01mm) Green 1.10		25	51.3	39.8	541.0
Insulation Dia.(±0.01mm) Brown 1.14		31.25	49.9	37.9	540.0
Twisted Pair Dia.(±0.02mm)		62.5	45.4	31.9	538.0
Separator LDPE		100	42.3	27.8	537.0
Pe-tape		200	37.8	21.8	536.0
Drain wire (TC) 0.40		250	36.3	19.8	536.0
Al-foil					
Pe-tape					
Assembly Dia.(mm) 6.60					
Jacket PVC					
Average Thickness(mm) 0.65					
Min. Point Thickness(mm) 0.60					
Outer Dia.(±0.20mm) 8.00					
Rip Cord Per request					
Color		Mechanical Characteristics:			
The color of the wire pair in cables		Test Object Jacket			
Blue-White/Blue		Test Material PVC			
Orange-White/Orange		Before Tensile Strength (Mpa) >=13.8			
Green-White/Green		Aging Elongation (%) >=100			
Brown-White/Brown		Aging Condition (°Cxhrs) 100x168			
Jacket Colors:		After Tensile Strength (Mpa) >=85% of unaged			
Per request		Aging Elongation (%) >=50% of unaged			
Marking		Cold Bend(-20±2°Cx4hrs) No crack			
E223070 VERIFIED (UL) & (ETL) CMR FT4					
CATEGORY 6E 550 MHZ TO TIA/EIA-568B.2-1					
23 AWG 4 PR FTP C(UL) XXXXFT					