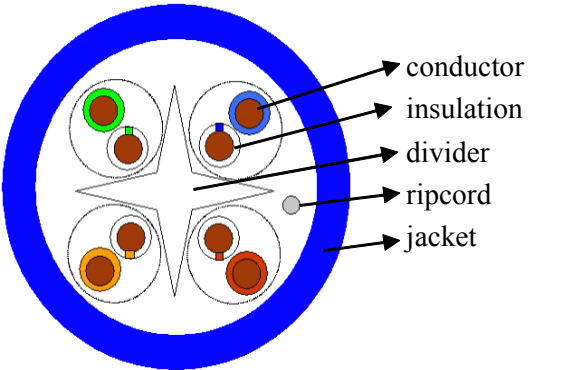


CAT6 UTP Plenum Solid Specifications

Cross Section	Electrical characteristics				
	Freq. (Mhz)	RL (dB)	Atten. (dB/100m)	Next (dB)	Acr. (dB)
	1	20.00	2.04	74.29	
	4	23.01	3.78	65.26	
	8	24.51	5.32	60.75	
	10	25.00	5.95	59.29	
	16	25.00	7.55	56.23	
	20	25.00	8.47	54.78	
	25	24.32	9.51	53.33	
	31.25	23.64	10.67	51.87	
	50.0	22.21	13.66	48.81	
	62.5	21.53	15.38	47.36	
	100	20.10	19.80	44.30	
	125	19.42	22.35	42.84	
	200	18.00	28.98	39.78	
	250	17.32	32.85	38.33	
	350	16.29	39.79	36.14	
	550	14.92	51.76	33.19	
Description					
Product standard certification: UL, C(UL), NEC					
Flammability test: CMX, CM, CMG,CMP, FT6					
Reference standard: UL subject 444, EIA/TIA 568 & ISO/IEC 11801					
Rated temperature: 75 deg.					
UL / CSA approved					
Construction					
Conductor: solid bare copper					
AWG: 23					
Insulation: PE/FEP, 1.03mm					
Ripcord: Nylon (150D)					
Outer jacket: Plenum PVC					
Overall diameter: 6.5 +/- 0.3mm					
Mechanical Characteristics					
Test object: jacket					
Test material: PVC					
Before tensile strength (Mpa): >=13.8					
Aging elongation (%): >=100					
Aging condition (°C xHrs): 100x48					
After tensile strength (Mpa): >=85% of unaged					
Aging elongation (%): >=50% of unaged					
Cold bend (-20+/-2 x 4hrs): No crack					
Jacket Marking					
Binary™ by SnapAV, CAT6 PLENUM, E325177 (UL) C(UL) CMP FT-6, TIA/EIA 568B, UTP CAT6, 4PAIR 23AWG UNSHIELDED 550MHZ 75C, MMY, xxxxFT					
	Freq. (Mhz)	PsNext (dB)	ElFext (dB/100m)	PsElFext (dB/100m)	Dop (ns/100m)
	1	72.29	67.79	64.79	570.00
	4	63.26	55.75	52.75	552.00
	8	58.75	49.73	46.73	546.72
	10	57.29	47.79	44.79	545.38
	16	54.23	43.71	40.71	543.00
	20	52.78	41.77	38.77	542.04
	31.25	49.87	37.90	34.90	540.43
	50.0	46.81	33.82	30.82	539.09
	62.5	45.36	31.88	28.88	538.55
	100	42.29	27.79	24.79	537.60
	125	40.84	25.86	22.86	537.21
	200	37.78	21.77	18.77	536.54
	250	36.33	19.84	16.84	536.27
	350	34.14	16.92	13.92	535.92
	550	31.19	12.99	9.99	535.54