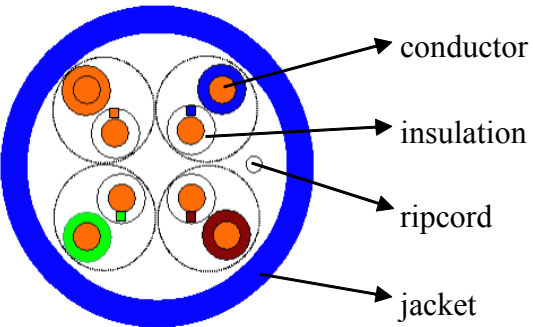


CAT5e UTP Solid Specifications

Cross Section		Electrical characteristics				
 <p>conductor</p> <p>insulation</p> <p>ripcord</p> <p>jacket</p>		Freq. (Mhz)	RL (dB)	Atten. (dB/100m)	Next (dB)	Acr. (dB)
		1	20.00	2.04	65.30	
		4	23.01	4.05	56.26	
		8	24.51	5.76	51.75	
		10	25.00	6.46	50.30	
		16	25.00	8.24	47.23	
		20	25.00	9.26	45.78	
		25	24.32	10.42	44.33	
		31.25	23.64	11.72	42.87	
		50.0	22.21	15.06	39.81	
		62.5	21.53	16.99	38.36	
		100	20.10	21.97	35.29	
		125	19.42	24.87	33.84	
200	18.00	32.42	30.78			
250	17.32	36.85	29.33			
300	16.76	40.97	28.14			
350	16.29	44.85	27.13			
Description		Freq. (Mhz)	PsNext (dB)	ElFext (dB/100m)	PsElFext (dB/100m)	Dop (ns/100m)
Product standard certification: UL & C(UL)		1	62.3	63.8	60.8	570.00
Flammability test: CMR, CM, CMG, FT4		4	53.26	51.75	48.75	552.00
Reference standard: UL subject 444, EIA/TIA 568 & ISO/IEC 11801		8	48.75	45.73	42.73	546.72
Rated temperature: 75 deg.		10	47.3	43.80	40.79	545.38
UL / CSA approved		16	44.23	39.71	36.71	543.00
Construction		20	42.78	37.77	34.77	542.04
Conductor:	solid bare copper	25	41.33	35.84	32.84	541.20
AWG:	24	31.25	39.87	33.90	30.90	540.43
Insulation:	PE, 0.93mm	50.0	36.81	29.82	26.82	539.09
Ripcord:	Nylon (150D)	62.5	35.36	27.88	24.88	538.55
Outer jacket:	PVC	100	32.29	23.79	20.79	537.60
Overall dia.	5.2 +/- 0.2mm	125	30.84	21.86	18.86	537.21
Mechanical characteristics		200	27.78	17.77	14.77	536.54
Test object:	jacket	250	26.33	15.84	12.84	536.27
Test material:	PVC	300	25.14	14.25	11.25	536.07
before tensile Strength (Mpa):	>=13.8	350	24.13	12.91	9.91	535.92
aging elongation (%):	>=100					
Aging condition (°C xHrs):	100x48					
after tensile strength (Mpa):	>=80% of unaged					
aging elongation (%):	>=50% of unaged					
Cold bend (-20+/-2 x 4hrs):	No crack.					