

CREST-3

2X18AWG shielded + 2X22AWG unshielded + 2XCAT5E UTP



Construction:

	2X22AWG shielded:	2X18AWG unshielded
Cond. Material:	Oxygen Free Copper Wire	
AWG:	22 (7*0.25mm)	18 (16*0.25mm)
Insulation Diameter:	2.0mm +/- 0.2mm	1.95mm +/- 0.2mm
Insulation thickness:	0.60 +/- 0.15mm	0.35 +/- 0.10mm
Insulation color	White / Blue	Red / Black
Al-foil shielding	Y	N
Drain wire:	24AWG (7*0.20TC)	N
Impedance	100 +/- 15 Ohms	N
Capacity	11 +/- 2Pf/feet	N
CAT5e UTP	2*(4X2X24AWG)	
Conductor:	Solid bare copper, 24AWG	
Insulation:	PE	
Jacket:	PVC	
Color:	Blue & White	
Binder:	Paper binder overall cores	
Ripcord:	Nylon (150D)	
Overall jacket:	PVC	
Diameter:	13.5 +/- 1.0mm	
Thickness:	1.2 +/- 0.2mm	
Color:	Pantone 326 C (w/ black stripe).	

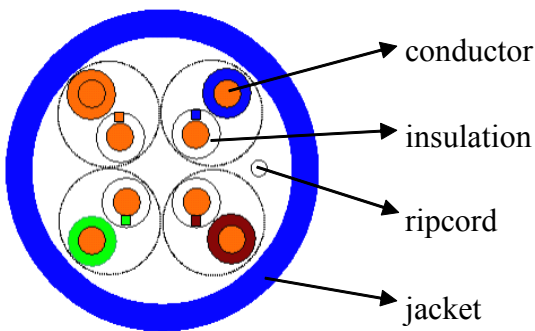
Mechanical characteristics:

Min. Bending Radius: 20 X ϕ
 Operation Temperature (degree): 75

Cable marking:

Binary™ by SnapAV, CRST3, E325177 (UL) C(UL) CMG/CM FT-4, 2x22AWG SHIELDED + 2x18AWG UNSHIELDED + 2x4 PAIR 24AWG UNSHIELDED 350MHZ 75C, DDMMYY, xxxFT (INCREASE AND DECREASE)

CAT5e PART

Cross Section		Electrical characteristics				
		Freq.	RL	Atten.	Next	Acr.
		(Mhz)	(dB)	(dB/100m)	(dB)	(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.	PsNext	ElFext	PsElFext	Dop
Product standard certification: UL & C(UL)		(Mhz)	(dB)	(dB/100m)	(dB/100m)	(ns/100m)
Flammability test: CMX, CM, CMG, FT4		1	62.3	63.8	60.8	570.00
Reference standard: UL subject 444, EIA/TIA 568 & ISO/IEC 11801		4	53.26	51.75	48.75	552.00
Rated temperature: 75 deg.		8	48.75	45.73	42.73	546.72
UL / CSA approved		10	47.3	43.80	40.79	545.38
Construction		16	44.23	39.71	36.71	543.00
Conductor:	solid bare copper	20	42.78	37.77	34.77	542.04
AWG:	24	25	41.33	35.84	32.84	541.20
Insulation:	PE, 0.93mm	31.25	39.87	33.90	30.90	540.43
Ripcord:	Nylon (150D)	50.0	36.81	29.82	26.82	539.09
Outer jacket:	PVC	62.5	35.36	27.88	24.88	538.55
Overall dia.	5.2 +/- 0.2mm	100	32.29	23.79	20.79	537.60
Mechanical characteristics		125	30.84	21.86	18.86	537.21
Test object:	jacket	200	27.78	17.77	14.77	536.54
Test material:	PVC	250	26.33	15.84	12.84	536.27
before tensile Strength (Mpa):	>=13.8	300	25.14	14.25	11.25	536.07
aging elongation (%):	>=100	350	24.13	12.91	9.91	535.92
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.					