

## CRST-2

2X18AWG shielded + 2X22AWG unshielded + 1XCAT5E 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	4X2X24AWG	
Conductor:	Solid bare copper, 24AWG	
Insulation:	PE	
Jacket:	White PVC	
Filler	CAT5E & CRST1 stranded with filler	
Ripcord:	Nylon (150D)	
Overall jacket:	PVC	
Diameter:	11.0 +/- 1.0mm	
Thickness:	1.1 +/- 0.2mm	
Color:	326 C (w/ red stripe ).	

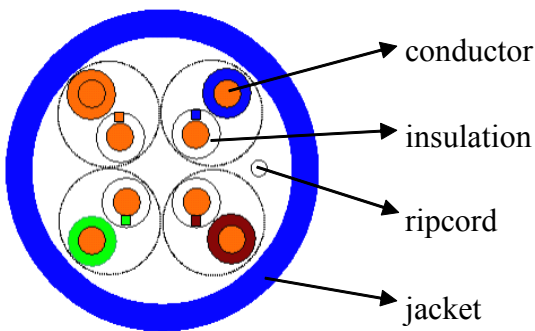
### Mechanical characteristics:

Min. Bending Radius: 20 X  $\phi$   
 Operation Temperature ( degree ): 75

### Cable marking:

Binary™ by SnapAV, CRST2, E325177 (UL) C(UL) CMG/CM FT-4, 2x22AWG SHIELDED + 2x18AWG UNSHIELDED + 4 PAIR 24AWG UNSHIELDED 350MHZ 75C, DDMMYY, xxxFT ( INCREASE & DECREASE )

# CAT5e PART

Cross Section		Electrical characteristics				
		<b>Freq.</b>	<b>RL</b>	<b>Atten.</b>	<b>Next</b>	<b>Acr.</b>
		<b>(Mhz)</b>	<b>(dB)</b>	<b>(dB/100m)</b>	<b>(dB)</b>	<b>(dB)</b>
		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		<b>Freq.</b>	<b>PsNext</b>	<b>ElFext</b>	<b>PsElFext</b>	<b>Dop</b>
Product standard certification: UL & C(UL)		<b>(Mhz)</b>	<b>(dB)</b>	<b>(dB/100m)</b>	<b>(dB/100m)</b>	<b>(ns/100m)</b>
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.					