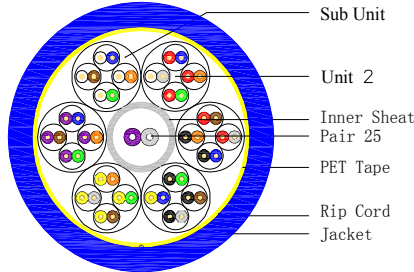


Product Specification sheet for:

# CAT5-25P

CAT 5E 350 MHz, 24 AWG  
ULTRA LOW SKEW FOR RGB ANALOG VIDEO TRANSMISION

## CONSTRUCTION DETAIL



## DESCRIPTION

### 1) Conductor :

Pairs 25  
Total Conductor 50  
AWG 24  
Diameter of Conductor  $\Phi$  0.50mm ( $\pm$  0.01mm)  
Material Solid Bare Copper  
Elongation  $\geq$ 15%

### 2) Insulate:

Material HDPE - Polyethylene  
Nom. Thickness 0.20 mm  
Diameter  $\Phi$  0.90 mm ( $\pm$  0.05mm)  
Color Cord Chromatogram  
Elongation  $\geq$ 300%

### 3) Paired

Length of Lay  $\geq$ 30mm

### 4) Cabling :

Structure 1P+6x4 P  
Order of the Pair See the Cross Section  
Material of Tape PET Tape

### 5) Sheath :

Material PVC - Polyvinyl Chloride Color Blue  
Rip Cord 500D x 3 Thickness 0.80 mm ( $\pm$  0.05mm) O.D. (I) 13.0 mm ( $\pm$  0.5mm) Color Per Customer Marking Per Customer 6) Packing : Packing Mark Accord to Contract Appearance Orderliness Reel Per Request • Other Characteristics = Length 1000 Ft / Plywood Drum 500m / Plywood Drum 1000m / Plywood Drum r Date : Revision History Define by : Rev : A/0

## OTHER CHARACTERISTICS

Diameter of Conductor  $\Phi$  0.50mm ( $\pm$  0.01mm)  
Material Solid Bare Copper

## COLOR

**Jacket Color:**

Per request

## MARKING

## ELECTRICAL CHARACTERISTICS

MUTUAL CAPACTANCE: 18.0 PF/FT @ 1 MHz  
ATTENUATION: 7.8 db/M' @ 1 MHz  
IMPEDANCE: 100 OHMS @ 1 MHz  
D.C. RESISTANCE: 27.0 OHMS/M'

FREQUENCY (MHZ)	RETURN LOSS (MIN DB)	SRL (DB)	ATTENUATION MAX(MIN DB)	NEXT (DB/100M)
1	17.0	23.0	2.0	62.3
4	18.8	23.0	4.0	53.3
8	19.7	23.0	5.7	48.8
10	20.0	23.0	6.4	47.3
16	20.0	23.0	8.2	44.2
20	20.0	23.0	9.2	42.8
25	19.3	22.0	10.3	41.3
31.25	18.6	21.1	11.6	39.9
62.5	16.5	18.1	16.8	35.4
100	15.1	16.0	21.7	32.3

FREQUENCY (MHZ)	PSNEXT (MIN(DB))	ELFEXT (MIN(DB/100M))	PSELFEXT (DB/100M) MAX	DELAY (NS/100M)
1	62.3	61.0	61.0	45.0
4	53.3	49.0	49.0	45.0
8	48.8	42.9	42.9	45.0
10	47.3	41.0	41.0	45.0
16	44.2	36.9	36.9	45.0
20	42.8	35.0	35.0	45.0
25	41.3	33.0	33.0	45.0
31.25	39.9	31.1	31.1	45.0
62.5	35.4	25.1	25.1	45.0
100	32.3	21.0	21.0	45.0

## CABLE COLOR CORD

Pair No.	Color	Pair No.	Color	Pair No.	Color
1 a	white(blue)	10 a	red(gray)	19 a	yellow(brown)
b	blue(white)	b	gray(red)	b	brown(yellow)
2 a	white(orange)	11 a	black(blue)	20 a	yellow(gray)
b	orange(white)	b	blue(black)	b	gray(yellow)
3 a	white(green)	12 a	black(orange)21	21 a	violet(blue)
b	green(white)	b	orange(black)	b	blue(violet)
4 a	white(brown)	13 a	black(green)	22 a	violet(orange)
b	brown(white)	b	green(black)	b	orange(violet)
5 a	white(gray)	14 a	black(brown)	23 a	violet(green)
b	gray(white)	b	brown(black)	b	green(violet)
6 a	red(blue)	15 a	black(gray)	24 a	violet(brown)
b	blue(red)	b	gray(black)	b	brown(violet)
7 a	red(orange)	16 a	yellow(blue)	25 a	violet(gray)
b	orange(red)	b	blue(yellow)	b	gray(violet)
8 a	red(green)	17 a	yellow(orange)		
b	green(red)	b	orange(yellow)		
9 a	red(brown)	18 a	yellow(green)		
b	brown(red)	b	green(yellow)		

## SPECIFICATION CONTROL

Structured Cable Products specifications are subject to change without notice. Please contact a sales representative for a current product specification. Structured Cable Products strives to ensure product specifications are complete, current, and accurate. Please note, all physical specifications are nominal.