

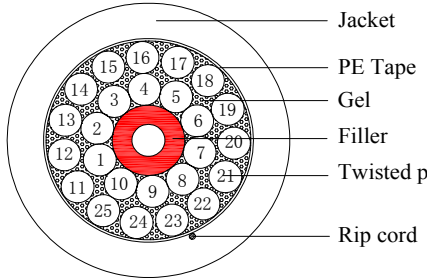


Product Specification sheet for:

## CAT5-25P-DB

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

### CONSTRUCTION DETAIL



### DESCRIPTION

Rated Temperature (°C)	75
Rated Voltage(V)	30
Product Standard Certification	
Flammability Test	

### PHYSICAL CONSTRUCTION

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. (±0.005mm)	0.505
Insulation	PE
Average Thickness(mm)	0.235
Min. Point Thickness(mm)	0.205
Insulation Dia.(±0.01mm)	0.97
Twisted Pair Dia.(±0.01)	1.94
Filler	PVC
Gel	YES
Polyester tape(W=45mm/&=0.025mm)	Overage>=25%
Assembly Dia.(mm)	10.80
Jacket	LLDPE
Average Thickness(mm)	1.20
Min. Point Thickness(mm)	1.05
Outer Dia.(±0.30mm)	13.20
Rip Cord	Per request

### COLOR

The color of the wire pair in cables

Pair1 Blue-White	Pair2 Orange-White	Pair3 Green-White	Pair4 Brown-White
Pair5 Gray-White	Pair6 Blue-Red	Pair7 Orange-Red	Pair8 Green-Red
Pair9 Brown-Red	Pair10 Gray-Red	Pair11 Blue-Black	Pair12 Orange-Black
Pair13 Green-Black	Pair14 Brown-Black	Pair15 Gray-Black	Pair16 Blue-Yellow
Pair17 Orange-Yellow	Pair18 Green-Yellow	Pair19 Brown-Yellow	Pair20 Gray-Yellow
Pair21 Blue-Violet	Pair22 Orange-Violet	Pair23 Green-Violet	Pair24 Brown-Violet
Pair25 Gray-Violet			

### MARKING

25PR CAT5e ENHANCED DIRECT BURIAL (UL) OR C(UL) E198134 24 AWG 350 MHZ VERIFIED TO TIA/EIA 568B.2 STRUCTURED CABLE PRODUCTS Zone/Jack

### 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

### MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cxhrs)	No crack

### 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.