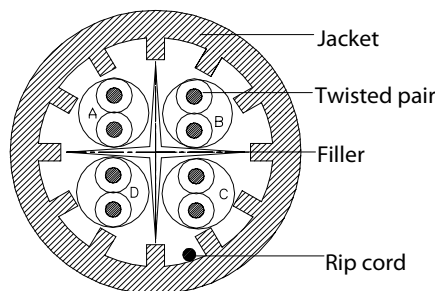


Product Specification sheet for:

CAT6A

CAT6 AUGMENTED 600 MHz UTP 23 AWG PVC
REEL IN BOX- BLUE

CONSTRUCTION DETAIL



DESCRIPTION

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

PHYSICAL CONSTRUCTION

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (mm)	0.585
Insulation	PE
Average Thickness(mm)	0.268
Min. Point Thickness(mm)	0.245
Insulation Dia.(±0.01mm)	1.12
Twisted Pair Dia.(±0.02mm)	2.24
Separator	LDPE
Assembly Dia.(mm)	6.50
Jacket	PVC
Average Thickness(mm)	0.60
Min. Point Thickness(mm)	0.50
Outer Dia.(±0.20mm)	8.00
Rip Cord	Per request

COLOR

The color of the wire pairs
 A:Blue-White with Blue
 B:Orange-White with Orange
 C:Green-White with Green
 D:Brown-White with Brown

Jacket : Per order

MARKING

ELECTRICAL CHARACTERISTICS

1.0-100MHz Impedance (ohms)	100 ± 12
100-350MHz Impedance (ohms)	100 ± 15
350-750.0MHz Impedance (ohms)	100 ± 22
1.0-750.0MHz Delay Skew (ns/100m)	<=25
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=3

FREQUENCY (MHZ)	RETURN LOSS (MIN DB)	ATTENUATION MAX(MIN DB)	NEXT (DB/100M)
1	20.0	2.0	78.3
4	24.2	3.7	69.3
8	26.3	5.2	64.8
10	27.0	5.9	63.3
16	27.0	7.4	60.2
20	27.0	8.3	58.8
25	26.3	9.3	57.3
31.25	25.6	10.4	55.9
62.5	23.5	14.9	51.4
100	22.1	19.0	48.3
155	20.8	24.0	45.4
200	20	27.5	43.8
300	18.8	34.2	41.1
400	17.9	40.0	39.3
500	17.5	45.3	37.8
600	16.9	50.1	36.6

FREQUENCY (MHZ)	PSNEXT MIN(DB)	ELFEXT MIN(DB/100M)	DELAY MAX(NS/100M)
1	76.3	71.8	570.0
4	67.3	59.8	552.0
8	62.8	53.7	546.7
10	61.3	51.8	545.4
16	58.2	47.7	543.0
20	56.8	45.8	542.0
25	55.3	43.8	541.2
31.25	53.9	41.9	540.4
62.5	49.4	35.9	538.6
100	46.3	31.8	537.6
155	43.4	28.0	536.9
200	41.8	25.8	536.5
300	39.3	22.3	536.1
400	37.3	19.8	535.8
500	35.8	17.8	535.6
600	34.6	---	---

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.