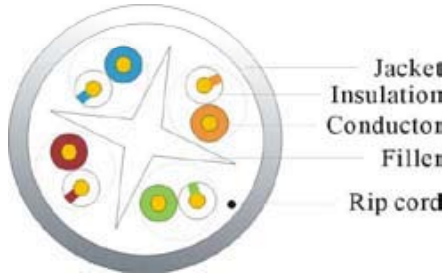


Product Specification sheet for:

CAT6

CAT6E 550 MHz 23 AWG UTP, PVC- AVAILABLE COLORS = BLACK, BLUE, GRAY, GREEN, PURPLE, RED, WHITE, YELLOW

CONSTRUCTION DETAIL



DESCRIPTION

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

PHYSICAL CONSTRUCTION

Conductor

AWG	23
Stranding:	Solid
Material:	BC - Bare Copper

Insulation

Material:	Polyethylene
identification:	with strip colour marking on white cores

Twisting:	Lay Length: 30mm underneath
Cablig:	Lay Length: 200mm underneath
OUTER JACKET :	PVC
OVERALL DIA :	NOM. Diameter 6.2
RIP CORD:	as per customer requirement
PRINT:	as per customer requirement

COLOR

The color of the wire pair in cables
 Blue-White/Blue
 Orange-White/Orange
 Green-White/Green
 Brown-White/Brown

Jacket Color: Per request

MARKING

STRUCTURED CABLE PRODUCTS---CAT6 ENHANCED
 550 MHZ VERIFIED to TIA/EIA 568-B.2.1 E198134 (UL) OR C(UL)
 CMR FT4 75C 23AWG 4PR ZONE/DEVICE A B C D E 0
 1 2 3 4 5 6 7 8 9 ROHS ce XXXFT

ELECTRICAL CHARACTERISTICS

1.0-250.0MHz Impedance (ohms)	100 ± 15
100-250MHz Impedance (ohms)	100 ± 22
250-550MHz Impedance (ohms)	100 ± 25
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	73.2
Resistance Unbalance (%)	<=5

FREQUENCY (MHZ)	RL (DB)	ATTEN (DB/100M)	NEXT (DB/100M)	ACR (DB)
1	20.00	2.03	74.30	72.28
4	23.01	3.78	65.27	61.49
10	25.00	5.95	59.30	53.35
16	25.00	7.55	56.24	48.68
20	25.00	8.47	54.78	46.31
25	24.32	9.51	53.33	43.83
31.25	23.64	10.67	51.88	41.20
62.5	21.54	15.38	47.36	31.98
100	20.11	19.80	44.30	24.50
200	18.00	28.98	39.78	10.80
250	17.32	32.85	38.33	5.48
350	16.30	39.79	36.14	*
550	14.92	51.76	33.19	*

FREQUENCY (MHZ)	PSNEXT (DB/100M)	ELFEXT (DB/100M)	PSELFEXT (DB/100M)	DELAY (NS/100M)
1	72.30	67.80	570.00	64.80
4	63.27	55.76	552.00	52.76
10	57.30	47.80	545.38	44.80
16	54.24	43.72	543.00	40.72
20	52.78	41.78	542.05	38.78
25	51.33	39.84	541.20	36.84
31.25	49.88	37.90	540.44	34.90
62.5	45.36	31.88	538.55	28.88
100	42.30	27.80	537.60	24.80
200	37.78	21.78	536.55	18.78
250	36.33	19.84	536.28	16.84
350	34.14	16.92	535.92	13.92
550	31.19	12.99	535.54	9.99

MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	PVC
Before	Tensile Strength (Mpa) >=13.8
Aging	Elongation (%) >=100
Aging Condition (°Cxhrs)	100x2400
After	Tensile Strength (Mpa) >=85% of unaged
Aging	Elongation (%) >=50% of unaged
Cold Bend(-20±2°Cx4hrs)	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.