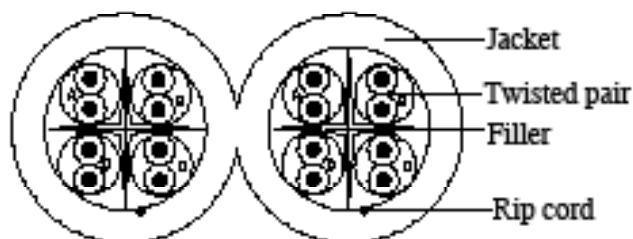


Product Specification sheet for:

CAT6E SIAMESE

2x CAT 6E 550 MHz 23 AWG UTP, PVC - 1000FT SPOOL

CONSTRUCTION DETAIL



DESCRIPTION

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

PHYSICAL CONSTRUCTION

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (mm)	0.57
Insulation	PE
Average Thickness(mm)	0.220
Min. Point Thickness(mm)	0.198
Insulation Dia.(±0.01mm)	1.01
Twisted Pair Dia.(±0.02mm)	2.02
	Separator
PVC	
Assembly Dia.(mm)	5.00
Jacket	PVC
Average Thickness(mm)	0.60
Min. Point Thickness(mm)	0.50
Outer Dia.(±0.20mm)	H: 6.20 W: 12.50
Rip Cord	YES

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

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 XXXXF

ELECTRICAL CHARACTERISTICS

1.0-250.0MHz Impedance (ohms)	100 ± 15
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)	95
Resistance Unbalance (%)	<=5

FREQUENCY (MHZ)	RETURN LOSS (MIN DB)	ATTENUATION MAX(MIN DB)	NEXT (DB/100M)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3

FREQUENCY (MHZ)	PSNEXT MIN(DB)	ELFEXT MIN(DB/100M)	DELAY MAX(NS/100M)
0.772	74.0	70.0	-
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.2	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.4	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0

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.