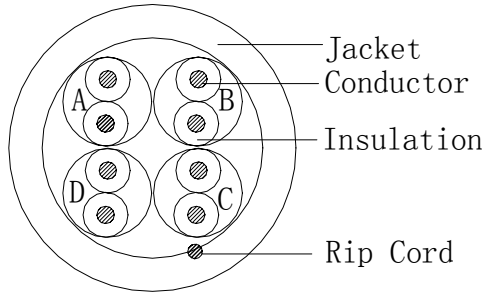


Product Specification sheet for:

CAT5E LSZH

CAT5E LSZH- 350 MHz 23 AWG UTP, LOW SMOKE ZERO HALOGEN- BLUE, GRAY, WHITE, YELLOW

CONSTRUCTION DETAIL



DESCRIPTION

Rated Temperature (°C)	75
Product Standard Certification	
Flammability Test	IEC-332-1
Application	
Horizontal Wiring in LAN	
Reference Standard	UL Subject 444,EIA/TIA568 & ISO/IEC 11801

PHYSICAL CONSTRUCTION

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. (mm)	0.475
Insulation	PE
Average Thickness(mm)	0.18
Min. Point Thickness(mm)	0.203
Insulation Dia.(±0.01mm)	0.88
Twisted Pair Dia.(±0.02mm)	1.76
Assembly Dia.(±0.1mm)	3.80
Jacket	LSZH
Average Thickness(mm)	0.60
Min. Point Thickness(mm)	0.51
Outer Dia.(±0.2mm)	5.00
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

4PR CAT 5E ENHANCED (UL) OR C(UL) E198134
24AWG 350MHZ CMR VERIFIED TO TIA/EIA 568B.2
STRUCTURED CABLE PRODUCTS ZONE/JACK A B
C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce xxxxxxF

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)	93.8
Resistance Unbalance (%)	<=5

FREQUENCY (MHZ)	RETURN LOSS (MIN DB)	ATTENUATION MAX(MIN DB)	NEXT (DB/100M)
0.772	19.4	1.8	67.0
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
10	25.0	6.5	50.3
16	25.0	8.2	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17.0	38.4
100	20.1	22.0	35.3
250	17.8	32.4	29.3
350	16.6	38.7	27.2

FREQUENCY (MHZ)	PSNEXT MIN(DB)	ELFEXT MIN(DB/100M)	DELAY MAX(NS/100M)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
250	26.3	15.8	12.8
350	24.2	12.9	9.9

MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	LSZH
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.