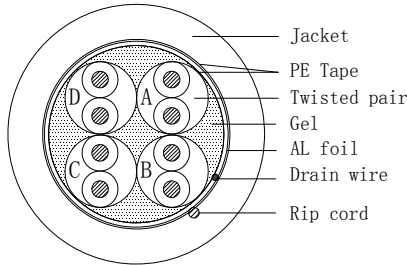


Product Specification sheet for:

CAT5E-DB-SH

CAT 5E 350 MHz, 24 AWG, DIRECT BURIAL SHIELDED - BLACK

CONSTRUCTION DETAIL



DESCRIPTION

Rated Temperature (°C)	70
Rated Voltage(V)	30
Product Standard Certification	
Flammability Test	IEC-332-1

PHYSICAL CONSTRUCTION

Conductor Solid	Bare Copper
AWG	24
Conductor Dia. (±0.005mm)	0.515
Insulation	PE
Average Thickness(mm)	0.228
Min. Point Thickness(mm)	0.220
Insulation Dia.(±0.01mm)	0.97
Twisted Pair Dia.(±0.01)	1.94 (MHz)
Filler	Gel
PE-tape	YES
Drain wire (TC)	0.40
Al-foil	YES
PE-tape	YES
Assembly Dia.(mm)	4.80
Jacket	LLDPE
Average Thickness(mm)	0.70
Min. Point Thickness(mm)	0.63
Outer Dia.(±0.30mm)	6.40
Rip Cord	Per request

COLOR

Jacket	Black
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MARKING

4PR SHIELDED CAT 5E ENHANCED (UL) OR C(UL) E198134
24AWG 350MHZ DIRECT BURIAL (FLOODED) OUTDOOR
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 xxxFT

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.

ELECTRICAL CHARACTERISTICS

1.0-350.0MHz Impedance (ohms)	100 ± 15
1.0-350.0MHz 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)
1	20.0	2.0	68.3
4	23.0	4.1	59.3
8	24.5	5.8	54.8
10	25.0	6.5	53.3
16	25.0	8.2	50.3
20	25.0	9.3	48.8
25	24.3	10.4	47.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	41.4
100	20.1	22.0	38.3
155	18.8	28.1	35.5
200	18.0	32.4	33.8
240	17.4	36.0	32.6
300	16.8	41.0	31.2
350	16.3	44.9	30.1

FREQUENCY (MHZ)	PSNEXT MIN(DB)	ELFEXT MIN(DB/100M)	PSELFEXT (DB/100M) MAX	DELAY (NS/100M)
1	66.3	63.8	60.8	
4	57.3	51.7	48.7	
8	52.8	45.7	42.7	
10	51.3	43.8	40.8	
16	48.3	39.7	36.7	
20	46.8	37.8	34.8	
25	45.3	35.8	32.8	
31.25	43.9	33.9	30.9	
62.5	39.4	27.8	24.8	
100	36.3	24.0	21.0	
155	33.5	20.0	17.0	
200	31.8	17.7	14.7	
240	30.6	16.2	13.2	
300	29.2	14.2	11.2	
350	28.1	12.9	9.9	

MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	LLDPE
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