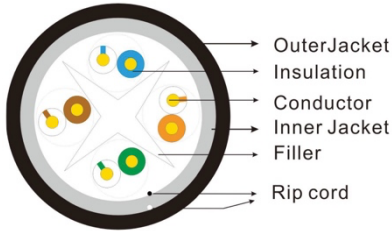


CAT 6 600MHz UTP DUAL JACKET CABLE OUTDOOR DB / WATER-RESISTANT



Cable Detail



Applicable Standards

- ETL Verified
- EIA/TIA568-2.D & ISO/IEC 11801 ; IEC61156-6
- RoHS Compliant



Physical Characteristics

Conductor Material	BC - Bare Copper
Number of Conductors	4
AWG	23 AWG
Conductor Diameter	0.02" (0.570 mm)
Insulation Material	PE - Polyethylene
Insulation Diameter	0.04" (1.01 ± 0.05 mm)
Twisting (Lay Length)	20 mm underneath
Cabling (Lay Length)	120 mm underneath
Inner Jacket Material	PVC
Outer Jacket Material	LLDPE
Overall - Nominal Diameter	(Inner/Outer) 5.8/7.0 ± 0.3 mm
Average Wall Thickness	(Inner/Outer) 0.4/0.6 ± 0.5 mm
Nominal Weight	17 ± 1kg
Rip Cord	Yes
Separator (Y/N)	Yes

Mechanical Characteristics

Rated Temperature	Installation	-40°C to +70°C
Tensile Strength	Before	≥ 10.8 Mpa
Elongation	Aging	≥ 300%
Cold Bend	No Crack	-20 ± 2°C x 4 hours
Aging Condition		100°C x 168 hours
	After	≥ 85% of unaged
	Aging	≥ 50% of unaged

Insulation Colors

Pair 1	White/Blue Stripe & Blue	Blue
Pair 2	White/Orange Stripe & Orange	Orange
Pair 3	White/Green Stripe & Green	Green
Pair 4	White/Brown Stripe & Brown	Brown

Part Numbers	Jacket Color	Package
6EDJOSPBK2	Black	1000FT / Reel

Electrical Characteristics

1-250MHz 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)	≤ 73.2
Resistance Unbalance (%)	≤ 5

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.0	20.0	74.3	72.3
4	3.8	23.0	65.3	63.3
8	5.3	24.5	60.8	58.8
10	6.0	25.0	59.3	57.3
16	7.6	25.0	56.2	54.2
20	8.5	25.0	54.8	52.8
25	9.5	24.3	53.3	51.3
31.25	10.7	23.6	51.9	49.9
62.5	15.4	21.5	47.4	45.4
100	19.8	20.1	44.3	42.3
200	29.0	18.0	39.8	37.8
250	32.8	17.3	38.3	36.3
300	34.3	16.8	37.1	35.1
400	40.1	15.9	35.3	33.3
500	45.3	15.2	33.8	31.8
550	51.8	14.9	36.2	31.2
600	54.5	18.8	37.6	35.6
Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (ns/100m) Max.	ACR (dB)
1	67.8	64.8	570.0	67.8
4	55.8	52.8	552.0	55.8
8	49.7	46.7	547.0	49.7
10	47.8	44.8	545.4	47.8
16	43.7	40.7	543.0	43.7
20	41.8	38.8	542.0	41.8
25	39.8	36.8	541.2	39.8
31.25	37.9	34.9	540.4	37.9
62.5	31.9	28.9	538.6	31.9
100	27.8	24.8	537.6	27.8
200	21.8	18.8	536.5	21.8
250	19.8	16.8	536.3	19.8
300	18.3	15.3	536.0	10.8
400	15.8	12.8	536.0	5.4
500	13.8	10.8	536.0	-3.7
550	13.0	10.0	535.5	-18.6
600	15.9	12.9	535.5	14.2

* Values above 250MHz are information only.

Cable Marking

CATEGORY 6E 600MHZ DUAL JACKET PVC/PE OUTDOOR DIRECT BURIAL TYPE UTP CABLE cETLus VERIFIED WATER RESISTANT UV RATED 23 AWG 4 PAIR ANSI/TIA-568.2-D XXXXFT

