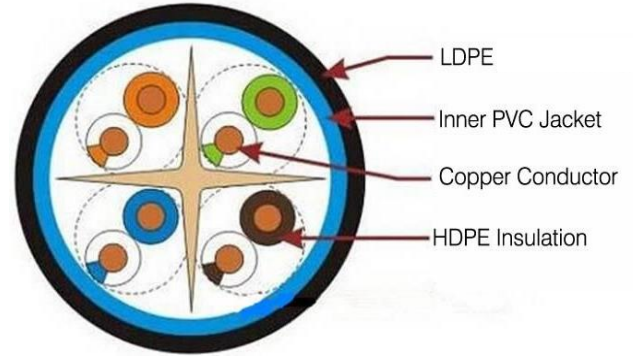


## Product Description:

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 BaseT) standard. Operates at bandwidth of 250 MHz. This cable will meet the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801 channel performance up to 85mtr.

## Features

- LDPE and PVC Sheathed for greater protection
- UV Resistant
- Suitable for Outdoor Installations



## Electrical Parameters

- CONDUCTOR RESISTANCE (DC): 9.38Ω ohms /100mtr@20°C. MAX.
- RESISTANCE UNBALANCE: 5 %MAX
- MUTUAL CAPACITANCE: 5.6 nF/100 mtrs MAX.
- CAPACITANCE UNBALANCE PAIR/GROUND: 330pF/100M MAX
- DELAY SKEW: ≤45 nS/100M
- NORMAL VELOCITY OF PROPAGATION: 69%
- IMPEDANCE: 100 ± 15% Ω

## Construction:

Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	(23 AWG)
Insulation	Polyethylene
Insulation Diameter	1.04 ± 0.05 mm
Sheath Thickness	0.5 ± 0.15 mm
Color Code: Pair #1 Pair #2 Pair #3 Pair #4	Orange-White with Orange stripe Brown-White with Brown stripe Blue-White with Blue stripe Green-White with Green stripe Pairs separated with a central filler.
Inner Jacket	PVC
Outer Jacket:	PE
Color of Jacket	Black
Sequential Marking	At Every Meter
Filler	Yes. Central Slit Film Cross Filler
Thickness of Inner Jacket	0.45 mm ± 0.05 mm
Thickness of Outer Jacket	0.55 mm ± 0.05 mm
Approximate OD	7.1 mm

HIGH FREQUENCY ELECTRICAL PARAMETERS 85 mts CHANNEL						
FREQ (MHz)	ATT (dB) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB) min.	PS.ACRF (dB) min	Return Loss (dB)
1	2.1	65.0	62.0	63.3	60.3	19
4	4.0	63.0	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54.0	43.3	40.3	19
16	8.0	53.2	50.6	39.2	36.2	18
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0

## **MECHANICAL PROPERTIES**

- BEND RADIUS: 8 X CABLE DIAMETER
- STORAGE TEMPERATURE: -20°C to 60°C
- OPERATING TEMPERATURE: -20°C to 60°C

**PACKAGING** - 305M – Reel

## **Ordering Information**

NCB-C6UBLKR-305-O	CAT 6 UTP Outdoor Cable – 305 mtr.
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**D-Link (India) Limited**  
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