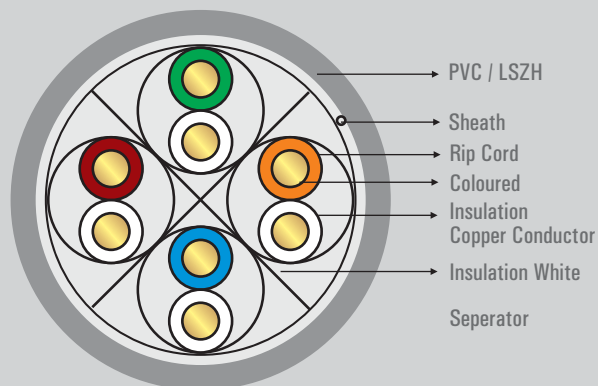


APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 500MHz.

This cable well exceeds the requirements of TIA/EIA-568-C.2 Category 6A
ISO 1180 1-2 co2 Class E.
Exceeds all requirements for IEE 802.3an



CONSTRUCTION

Conductor:	23 AWG Solid bare Copper
Insulation:	High Density Polyethylene
Pairs:	2 Insulated conductors twisted together
Sheath:	PVC / LSZH
Cable Diameter:	8.0mm Nominal
Printing:	Each meter printed with sequential Length Counter

✦ ELECTRICAL PROPERTIES

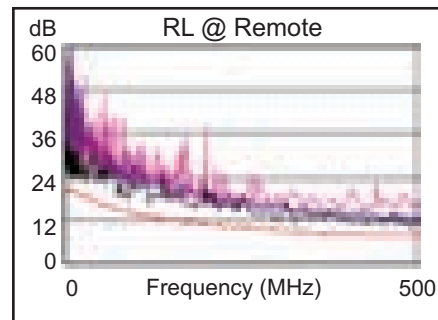
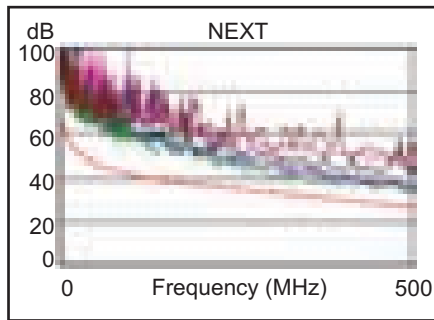
Conductor Resistance:	≤ 9.38Ω/100m
Mutual Capacitance:	< 5.6nF/100m
Resistance Unbalance:	5% Max
Delay Skew:	< 25NS
NVP%	68.2

✦ COLOR CODE

PAIR NO	COLOR	PAIR NO	COLOR
1-2	White and Orange	3-6	White and Green
4-5	White and Blue	7-8	White and Brown

✦ **TRANSMISSION CHARACTERISTICS PER 100M**

Frequency MHz	Max Attenuation (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
1	2.1	20.0	74.3	72.3	67.8	64.8
4	3.8	23.0	65.3	63.3	55.8	52.8
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.5	25.0	56.2	54.2	43.7	40.7
20	8.4	25.0	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18.0	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	38.1	35.1	18.3	15.3
500	45.3	15.2	34.8	31.8	13.8	10.8



✦ **CONNECTION SYSTEM**

Compatible with all common systems according to TIA/EIA 568-C.2

✦ **PACKING**

Available in Reels of 305M or Longer as per Customer Specific

✦ **ORDERING INFORMATION**

Part Code	Description
NCB-6AUGRYR-305	CAT6A UTP 23AWG Solid: 305M/Roll

D-Link (India) Limited
Kalpataru Square, 2nd Floor, Kondivita Lane, Andheri-East, Mumbai-400059
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