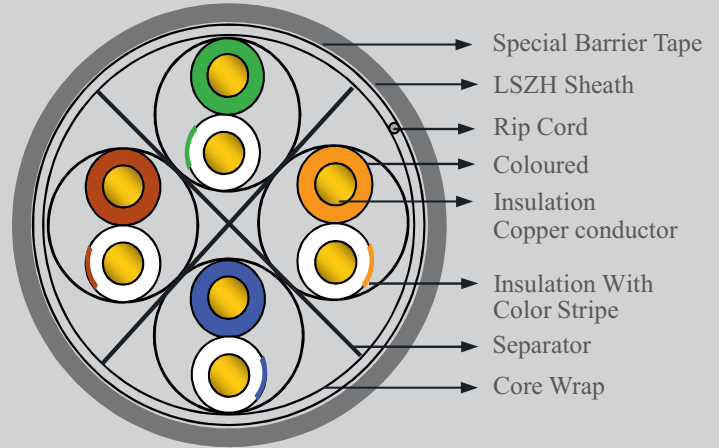


APPLICATION

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 **ANSI/TIA/EIA-568-C.2 Category 6A**
ISO 1180 1-2 Class E.
Exceeds all requirements for IEE 802.3an



CONSTRUCTION

- Conductor: **23 AWG Solid bare Copper**
- Insulation: **Polyolefin**
- Pairs: **2 Insulated conductors twisted together**
- Sheath: **LSZH**
- Cable Diameter: **7.0 mm ± 0.5**
- 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: **< 45NS**
- Capacitance Unbalance: **330pF/100m**

◆ **COLOR CODE**

PAIR NO	COLOR
1-2	White - Orange Stripe and Orange
4-5	White - Blue Stripe and Blue

PAIR NO	COLOR
3-6	White - Green Stripe and Green
7-8	White - Brown Stripe and Brown

✦ **TRANSMISSION CHARACTERISTICS PER 100M**

FREQ. (MHz)	ATT (dB/100m) max	NEXT (dB) min	PS.NEXT (dB) min.	ACRF (dB @ 100m) min.	PS.ACRF (dB @ 100m) min.	Return Loss (dB/100m)
1	2.3	65	62	63.3	60.3	19
4	4.2	63	60.5	51.2	48.2	19
8	5.8	58.2	55.6	45.2	42.2	19
10	6.5	56.6	54	43.3	40.3	19
16	8.2	53.2	50.6	39.2	36.2	18
20	9.2	51.6	49	37.2	34.2	17.5
25	10.2	50	47.3	35.3	32.3	17
100	20.9	39.9	37.1	23.3	20.3	12
200	30.1	34.8	31.9	17.2	14.2	9
250	33.9	33.1	30.2	15.3	12.3	8
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6
500	49.3	26.1	23.2	9.3	6.3	6

Cable complies to 100m Channel Link Alien cross talk as per ANSI/TIA 568.2-D Standard

✦ **CONNECTION SYSTEM**

Compatible with all common systems according to ANSI/TIA/EIA 568.2-D

✦ **PACKING**

Available in compact design in Reels of 305M

✦ **ORDERING INFORMATION**

Part Code	Description
NCB-6AUGRYR-305-LS	CAT6A UTP 23AWG LSZH: 305M