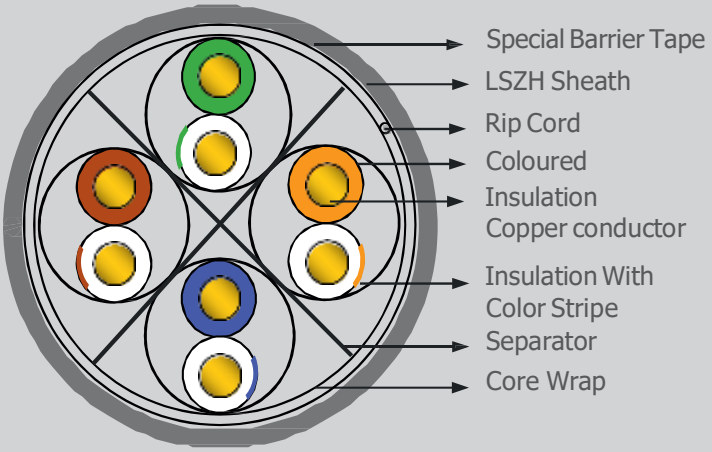
CAT 6A UTP CABLES

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 650MHz.

This cable well exceeds the requirements of ANSI/TIA/EIA-568-C.2 Category 6A ISO 11801-2 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:	**< 50ns**
Capacitance Unbalance:	**330pF/100m**

COLOR CODE

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

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