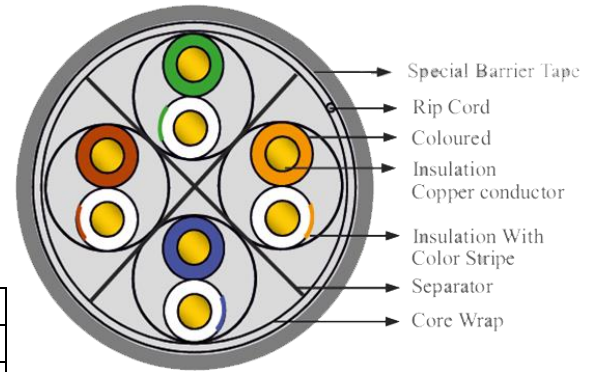


Enhanced performance cable for transmission of high-speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 500MHz

Construction:

Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	23 AWG
Insulation	Polyolefin
Pairing	Twisted into 2 core
No. Of Pair	04, Each pair twisted
Color Code: Pair #1	Blue-White with Blue
Pair #2	Orange-White with Orange
Pair #3	Green-White with Green
Pair #4	Brown-White with Brown
Barrier Tape	Yes
Outer Sheath	FR-PVC
Colour of Sheath	Grey
Approximate OD	6.90 mm ± 0.30mm
Sequential Marking	At Every Meter
Temperature Rating	-15°C to +75°C



Low Frequency Electrical Parameter

Conductor Resistance (DC):	93.8 Ω/1000 Mtr@20°C. Max.
Resistance Unbalance:	5% Max
Mutual Capacitance:	5.6 nF/100 mtrs Max.
Capacitance Unbalance	
Pair/Ground:	330PF/100M Max
Normal Velocity of Propagation:	69%
Impedance:	100 Ω ± 15%
Worst Case cable skew:	45ns/100m
Generally confirming to EIA/TIA 568.2-D	

POE

Fully complies with the recommendations set forth by IEEE 802.3bt (Type4) for the safe delivery of power over LAN cable according to TIA TSB-184-A

High Frequency Electrical Parameter

FREQ (MHz)	ATT (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB @ 100 m) min.	PS.ACRF (dB @ 100 m) 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

Packaging – 305M/reel

Ordering Information:

NCB-6AUGRYR-305	Cat6A 23AWG UTP Cable – 305M
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