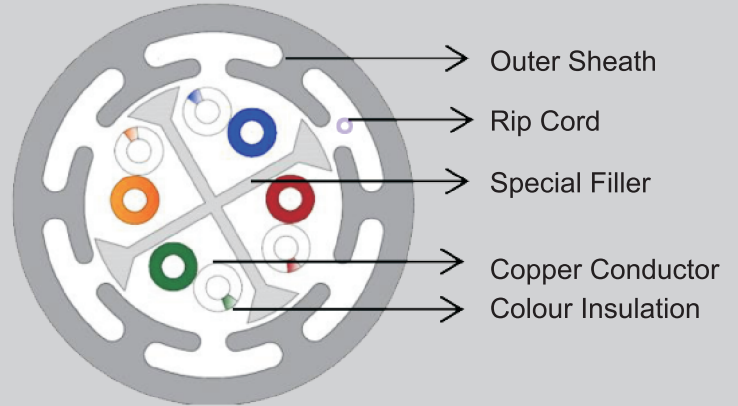


APPLICATION

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 will meet the requirements of
TIA/EIA-568-C.2 Category 6A
ISO 1180 1 Ed-2.2



CONSTRUCTION

Conductor: **23 AWG Solid bare Copper**
 Insulation: **High Density Polyethylene**
 Pairs: **2 Insulated conductors twisted together**
 Sheath: **LSZH/PVC**
 Filler: **Special Filler LSZH**
 Cable Diameter: **7.5 mm ± 0.4mm**
 Storage Temperature: **60°C**

✦ **ELECTRICAL PROPERTIES**

Conductor Resistance: **≤ 9.38Ω/100m**
 Mutual Capacitance: **< 5.6nF/100m**
 Resistance Unbalance: **5% Max**
 Delay Skew: **< 45NS**
 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**

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	33.8	31.8	13.8	10.8

Alien Cross Talk Test compliant in field condition as per standard implementation best practices ,
Cable Complies to ANSI/TIA 568 C.2 90 M Permanent Link Alien Cross Talk Test

✦ **CONNECTION SYSTEM**

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

✦ **PACKING**

Available in compact design in Reels of 305M

✦ **FLAME PROPERTIES**

Flammability Test – IEC 60332-1
Smoke Density – IEC 61034

✦ **ORDERING INFORMATION**

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