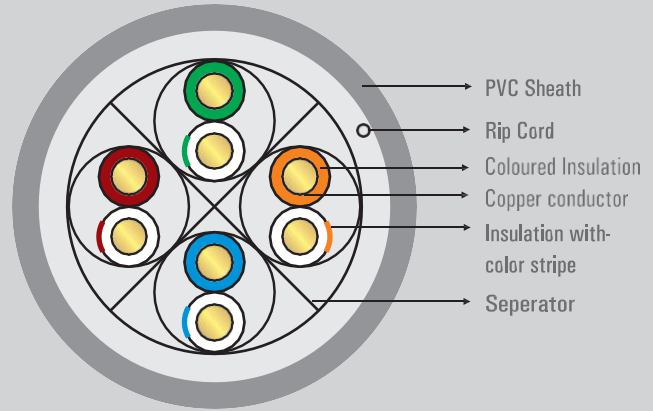


### APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard.

**This cable will meet the requirements of ANSI/TIA-568-C.2 category6 ISO 11801 Class E ROHs compliant**

Approval : UL Listed  & ETL Verified



### CONSTRUCTION

Conductor: **23 AWG Solid bare Copper (4 pair)**  
 Insulation: **High Density Polyethylene**  
 Pairs: **2 Insulated conductors twisted together**  
 Sheath: **FR-PVC**  
 Cable Diameter: **6.1mm nominal**  
 Printing: **Each meter printed with sequential Length Counter**

### ◆ ELECTRICAL PROPERTIES

Characteristic Impedance: **100±15Ω**  
 Conductor Resistance: **≤ 9.38Ω/100m**  
 Mutual Capacitance: **< 5.6nF/100m**  
 Resistance Unbalance: **5% Max**  
 Capacitance Unbalance: **330pF/100m**  
 Delay Skew: **< 50nS**  
 NVP (%): **69%**

### ◆ COLOR CODE

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

HIGH FREQUENCY ELECTRICAL PARAMETERS						
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	2.1	65.0	62.0	63.3	60.3	19
4	4.0	63.0	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54.0	43.3	40.3	19
16	8.0	53.2	50.6	39.2	36.2	18
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0

### ◆ MECHANICAL PROPERTIES

Pulling Force: 11.5 Kg

Operating Temperature Range: - 20°C to +75°C

Storage Temperature Range: - 0°C to +50°C

### ◆ PACKING

Reels of guaranteed 305m Length with spool

### ◆ ORDERING INFORMATION

Part Code	Description
NCB-C6UGRYR-305	CAT6 UTP 23AWG Solid: 305M

Available in Grey, Blue, Red, Yellow & Orange Color



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