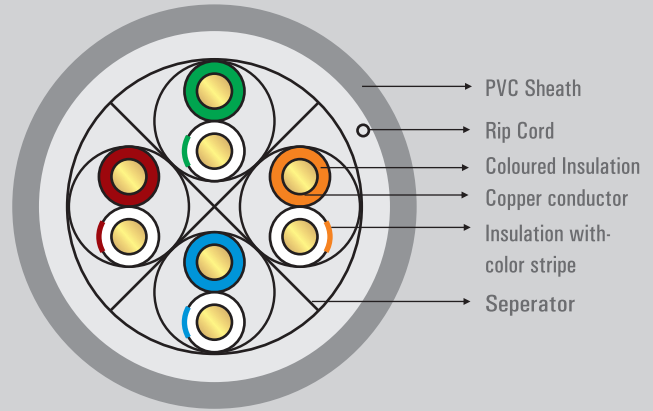


APPLICATION

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**
Insulation thickness 0.2mm nominal
- 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: **< 45nS**
- 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

◆ **ORDERING INFORMATION**

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

◆ **PACKING**

Reels of guaranteed 305m Length with spool



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