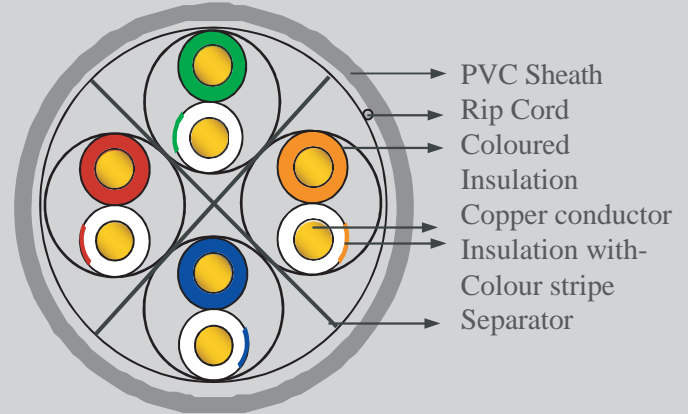


APPLICATION

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. Operates at bandwidth of 250MHz.

This cable meets the requirements of ANSI/TIA-568-C.2 and ISO/IEC 11801.



CONSTRUCTION

- Conductor : 24 AWG (0.510mm± 0.015mm) Solid bare Copper
- Insulation : High Density Polyethylene Solid
- Pairs : 2 Insulated conductors twisted together
- Sheath : PVC
- Cable Diameter : 5.6 ± 0.3 mm
- Printing : Each meter printed with sequential length counter

◆ **ELECTRICAL PROPERTIES**

- Conductor Resistance : < 9.38 ohm/100m
- Mutual Capacitance : < 5.6nF/100m
- Resistance Unbalance : 5% Max
- Capacitance Unbalance : 330pF/100m
- Delay Skew : < 45nS

◆ **COLOR CODE**

PAIR NO	COLOUR	PAIR NO	COLOUR
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

◆ **TRANSMISSION CHARACTERISTICS 90M CHANNEL**

Frequency	Insertion Loss (dB)	NEXT (dB)	RL (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)
1	2.1	65	19	62	63.3	60.3
4	4	63	19	60.5	51.2	48.2
8	5.7	58.2	19	55.6	45.2	42.2
10	6.3	56.6	19	54	43.3	40.3
16	8	53.2	18	50.6	39.2	36.2
20	9	51.6	17.5	49	37.2	34.2
25	10.1	50	17	47.3	35.3	32.3
31.25	11.4	48.4	16.5	45.7	33.4	30.4
62.5	16.5	43.4	14	40.6	27.3	24.3
100	21.3	39.9	12	37.1	23.3	20.3
200	31.5	34.8	9	31.9	17.2	14.2
250	35.9	33.1	8	30.2	15.3	12.3

◆ **MECHANICAL PROPERTIES**

Bending Radius : < 4 X Cable Diameter at -20°C ± 1°C
 Pulling Force : 11.5Kg
 Temperature Range :
 Operation : -20° to +70°C
 Installation : 0° to +50°C

◆ **ORDERING INFORMATION**

Part Code	Description
NCB-C6UGRYR-305/INX	Car6 24AWG UTP Cable Grey Color -305M