

UTP CABLE

NCB-C6UGRYR-305/NCB-C6UGRYR-305-LS



Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs.

Supports 1Gigabit Ethernet (1GbaseT) standard. Operates at bandwidth of 250MHz

Approval: ETL verified to ANSI/TIA-568-C.2 & ISO/IEC 11081

CONSTRUCTION

Conductor : 23 AWG Solid bare Copper
 Insulation : High Density Polyethylene
 Pairs : 2 Insulated conductors twisted together
 Sheath : PVC/LSZH
 Cable Diameter : 6 ± 0.2 mm nominal

COLOUR CODE

PAIR NO	COLOUR
1-2	Orange/White & Orange
3-6	Green/White & Green
4-5	Blue/White & Blue
7-8	Brown/White & Brown

MECHANICAL CHARACTERISTICS

Bending Radius : $< 8 \times$ Cable Diameter at $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$
 Pulling Force : 11.5 Kgs
 Temperature Range : -20° to $+70^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS

Characteristic Impedance : $100 \pm 15 \Omega$
 Conductor Resistance : $< 9.38\text{W}/100\text{m}$
 Mutual Capacitance : $< 5.6\text{nF}/100\text{m}$
 Resistance Unbalance : 5% Max
 Capacitance Unbalance : $330\text{pF}/100\text{m}$
 Delay Skew : $< 45\text{ns}/100\text{m}$ max
 NVP : 69%



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TRANSMISSION CHARACTERISTICS

Frequency (MHz)	Insertion Loss(dB)	NEXT (dB)	RL (dB)	PSNEXT (dB)	ACR-F(dB) Min	PSACRF (dB)Min
1	2.0	74.3	20	72.3	72.3	70.3
4	3.8	65.3	23	63.3	61.5	59.5
8	5.3	60.8	24.5	58.8	55.5	53.5
10	6.0	59.3	25	57.3	53.3	51.3
16	7.6	56.2	25	54.2	48.6	46.6
20	8.5	54.8	25	52.8	46.3	44.3
25	9.5	53.3	24.3	51.31	43.8	41.8
31.25	10.7	51.9	23.6	49.9	41.2	39.2
62.5	15.4	47.4	21.5	45.4	32	30
100	19.8	44.3	20.1	42.3	24.5	22.5
200	29	39.8	18	37.8	10.8	8.8
250	32.8	38.3	17.3	36.3	5.5	3.5

CONNECTION SYSTEM

Compatible with all common systems according to ANSI/TIA-568.2-D & ISO/IEC 11801

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-C6UGRYR-305	Cat.6 UTP CABLE,PVC,305mtr roll,Grey Sheath
NCB-C6UGRYR-305-LS	Cat.6 UTP CABLE,LSZH,305mtr roll,Grey Sheath
NCB-C6UBLUR-305	Cat.6 UTP CABLE,PVC,305mtr roll,Blue Sheath
NCB-C6ULBUR-305-LS	Cat.6 UTP CABLE,LSZH,305mtr roll,Light Blue Sheath
NCB-C6UGRNR-305	Cat.6 UTP CABLE,PVC,305mtr roll,Green Sheath
NCB-C6UVLTR-305	Cat.6 UTP CABLE,PVC,305mtr roll,Violet Sheath
NCB-C6UORGR-305	Cat.6 UTP CABLE,PVC,305mtr roll,Orange Sheath

