

CATEGORY 6



UTP CABLE

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 : LSZH
Cable Diameter : 6 ± 0.2 mm nominal

COLOUR CODE

<u>PAIR NO</u>	<u>COLOUR</u>
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%

COPPER CABLES



dlinkmea.com/scs

UTP CABLE

NCB-C6UGRYR-305-LS

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-LS

Cat.6 UTP CABLE,LSZH,305mtr roll,Grey Sheath

NCB-C6ULBUR-305-LS

Cat.6 UTP CABLE,LSZH,305mtr roll,Light Blue Sheath

