

CATEGORY 6

D-Link®

U/UTP CABLE

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



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

Supports 1Gigabit Ethernet(1000BASE-T) standard.
Operates at bandwidth of 250MHz

Compliant to ANSI/TIA-568.2-D & ISO/IEC 11801



CONSTRUCTION

Conductor : 23 AWG Solid bare Copper
Insulation : High Density Polyethylene
Pairs : 2 Insulated conductors twisted together
Sheath : PVC/LSZH
Sheath Colour : Grey
Cable Length : 305m
Cable Diameter : 6± 0.2mm 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 : < 4 x Cable Diameter at 20°C ± 1°C
Pulling Force : 11.5 Kgs
Temperature Range : -20° to +70°C

ELECTRICAL CHARACTERISTICS

Characteristic Impedance : 100 ± 15 Ω
Conductor Resistance : < 9.38Ω/100m
Mutual Capacitance : < 5.6nF/100m
Resistance Unbalance : 5% Max
Capacitance Unbalance : 330pF/100m
Delay Skew : < 45ns/100m max
NVP : 69%

COPPER CABLES



dlinkmea.com/scs

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TRANSMISSION CHARACTERISTICS

Frequency (MHz)	Insertion Loss Max.(dB)	NEXT (dB) Min.	RL (dB) Min.	PS NEXT (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.
1	1.9	65	19.1	62	64.2	61.2
4	3.5	64.1	21	61.8	52.1	49.1
8	5	59.4	21	57	46.1	43.1
10	5.5	57.8	21	55.5	44.2	41.2
16	7	54.6	20	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19	49.1	36.2	33.2
31.25	10	50	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16	42.7	28.3	25.3
100	18.6	41.8	14	39.3	24.2	21.2
200	27.4	36.9	11	34.3	18.2	15.2
250	31.1	35.3	10	32.7	16.2	13.2

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-E

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

NCB-C6UGRYR-305-E-LS

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

