CATEGORY 6

U/UTP CABLE

NCB-C6UXXXR-305-24-E



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

UL LISTED

CONSTRUCTION

Conductor	: 24AWG Solid bare Copper
Insulation	: High Density Polyethylene
Pairs	: 2 Insulated conductors twisted together
Sheath	: PVC
Sheath Colour	: White/Grey/Blue
Cable Length	: 305m
Cable Diameter	: 5.8 ± 0.2mm 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

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%

MECHANICAL CHARACTERISTICS

Bending Radius	: < 4 x Cable Diameter at 20°C ± 1°C
Pulling Force	: 11.5 Kgs
Temperature Range	:-20° to +70°C

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TRANSMISSION CHARACTERISTICS

Frequency (MHz)	Insertion Loss (dB/100m)	RL (dB)	NEXT(dB)	PSNEXT(dB)	ACR(dB)	PSACR(dB)
1	1.9	19.1	65.0	62.0	64.2	61.2
4	3.5	21.0	64.1	61.8	52.1	49.1
8	5.0	21.0	59.4	57.0	46.1	43.1
10	5.5	21 .0	57.8	55.5	44.2	41.2
16	7.0	20 .0	54.6	52.2	40.1	37.1
20	7.9	19.5	53.1	50.7	38.2	35.2
25	8.9	19.0	51.5	49.1	36.2	33.2
31.25	10.0	18.5	50.0	47.5	34.3	31.3
62.5	14.4	16.0	45.1	42.7	24.2	25.3
100	18.6	14.0	41.8	39.3	24.5	21.2
200	27.4	11.0	36.9	34.3	18.2	15.2
250	31.1	10.0	35.3	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-305-24-E	Cat.6 UTP 24AWG CABLE,PVC,305mtr roll,Grey Sheath
NCB-C6UBLUR-305-24-E	Cat.6 UTP 24AWG CABLE,PVC,305mtr roll,Blue Sheath
NCB-C6UWHIR-305-24-E	Cat.6 UTP 24AWG CABLE,PVC,305mtr roll,White Sheath