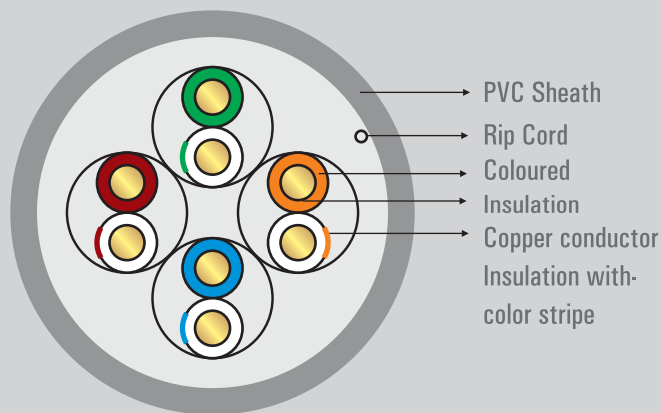


APPLICATION

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 up to 100MHz. This cable well exceeds the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801

Approval: UL Listed E257005  & ETL Verified



CONSTRUCTION

Conductor: 24 AWG Solid bare Copper (4 pair)
 Insulation: High Density Polyethylene
 Pairs: 2 Insulated conductors twisted together
 Sheath: PVC
 Cable Diameter: 5.0 mm nominal
 Printing: Each meter printed with sequential Length Counter

✦ ELECTRICAL PROPERTIES

Characteristic Impedance: $100 \pm 15\Omega$
 Conductor Resistance: $\leq 9.38 \Omega / 100m$
 Mutual Capacitance: $< 5.6nF/100m$
 Resistance Unbalance: 5% Max
 Capacitance Unbalance: 330pF/100m
 Delay Skew: $< 45nS$
 NVP: 69%
 Operating Voltage: 72V
 Dielectric Strength: 1.0KV dc or 0.75KV ac for 1min

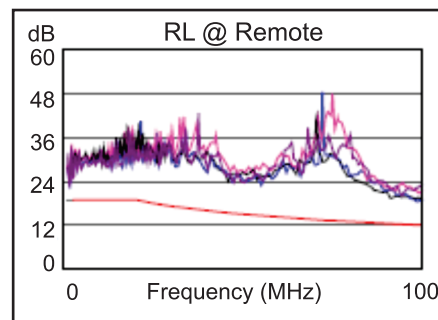
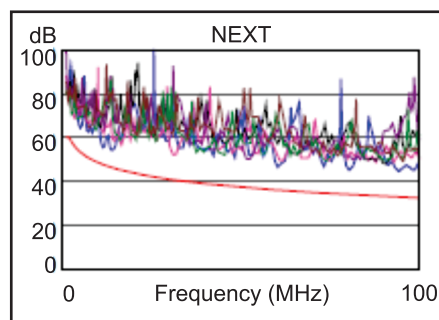
✦ COLOR CODE

PAIR NO	COLOR
1-2	White-Orange Stripe and Orange
4-5	White-Blue Stripe and Blue

PAIR NO	COLOR
3-6	White-Green Stripe and Green
7-8	White-Brown Stripe and Brown

✦ TRANSMISSION CHARACTERISTICS PER 100M

Frequency MHz	Insertion Loss (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	ACR (dB)	PSACR (dB)
1	2.0	20.0	65.3	62.3	63.8	60.8	63.3	60.3
4	4.1	23.0	56.3	53.3	51.8	48.8	52.2	49.2
8	5.8	24.5	51.8	48.8	45.7	42.7	46.0	43.0
10	6.5	25.0	50.3	47.3	43.8	40.8	43.8	40.8
16	8.2	25.0	47.2	44.2	39.7	36.7	39.0	36.0
20	9.3	25.0	45.8	42.8	37.8	34.8	36.5	33.5
25	10.4	24.3	44.3	41.3	35.8	32.8	33.9	30.9
31.25	11.7	23.6	42.9	39.9	33.9	30.9	31.2	28.2
62.5	17.0	21.5	38.4	35.4	27.9	24.9	21.4	18.4
100	22.0	20.1	35.3	32.3	23.8	20.8	13.3	10.3



✦ MECHANICAL PROPERTIES

Bending Radius: < 25.4mm at -20°C ± 1°C

Pulling Force: 9Kg

Operating Temperature Range: -20°C to +70°C

Storage Temperature Range: 0°C to +50°C

✦ ORDERING INFORMATION

Part Code	Description
NCB-5EUBLUR-100	CAT5e UTP 24AWG Solid: 100M
NCB-5EUBLUR-305	CAT5e UTP 24AWG Solid: 305M

✦ CONNECTION SYSTEM

Compatible with all common systems according to

TIA/EIA 568-C.2 and ISO/IEC 11801

✦ PACKING

Available in easy-pull boxes of guaranteed 305m length



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