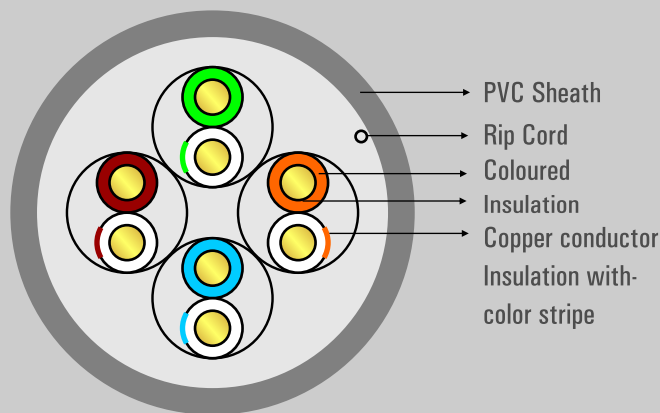


APPLICATION

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 



CONSTRUCTION

Conductor:	24 AWG Solid bare Copper (4 pair)
Insulation:	High Density Polyethylene
Insulation Diameter:	1.04mm
Pairs:	2 Insulated conductors twisted together
Sheath:	PVC
Cable Diameter:	5.0 mm nominal
Printing:	Each meter printed with sequential Length Counter

◆ ELECTRICAL PROPERTIES

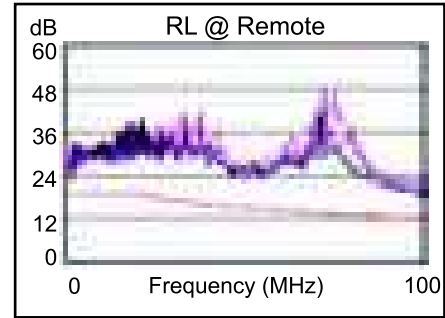
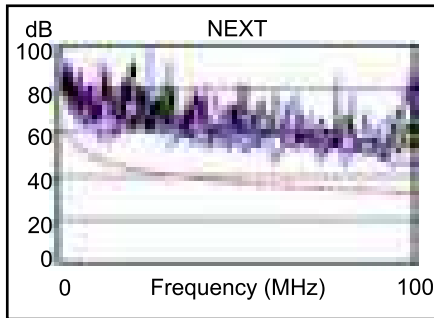
Characteristic Impedance:	100 ± 15 Ω
Conductor Resistance:	≤ 9.38 Ω /100m
Insulation Resistance:	100 M Ω
Mutual Capacitance:	< 5.6nF/100m
Resistance Unbalance:	5% Max
Capacitance Unbalance:	330pF/100m
Delay Skew:	< 45nS
NVP:	69%
Operating Voltage:	72V
Dielectric Strength:	1.0KV dc or 0.75KV ac for 1min

◆ COLOR CODE

PAIR NO	COLOR	PAIR NO	COLOR
1-2	White-Orange Stripe and Orange	3-6	White-Green Stripe and Green
4-5	White-Blue Stripe and Blue	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-5EUGRYR-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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