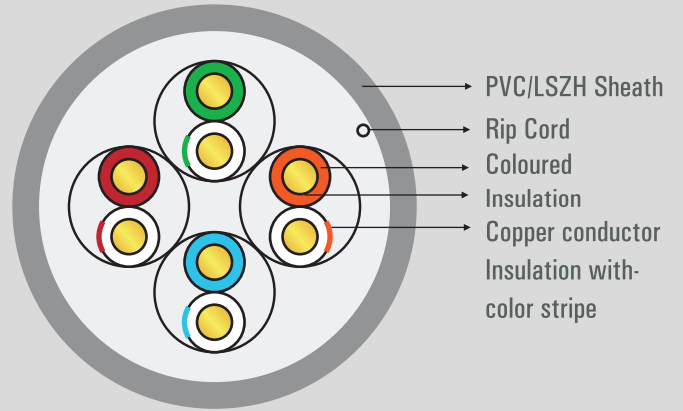


**APPLICATION**

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  & ETL Verified



**CONSTRUCTION**

- Conductor: **24 AWG Solid bare Copper (4 pair)**
- Conductor Diameter: **0.50mm**
- Insulation: **High Density Polyethylene**
- Insulation Diameter: **1.04mm**
- Pairs: **2 Insulated conductors twisted together**
- Sheath: **PVC/LSZH**
- Cable Diameter: **5.0 mm nominal**
- Printing: **Each meter printed with sequential Length Counter**

◆ **ELECTRICAL PROPERTIES**

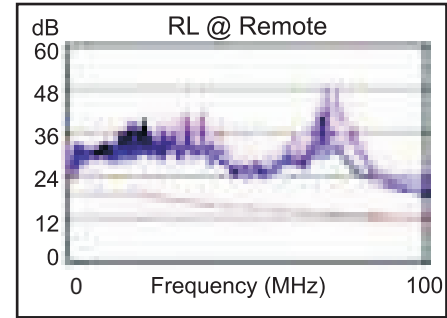
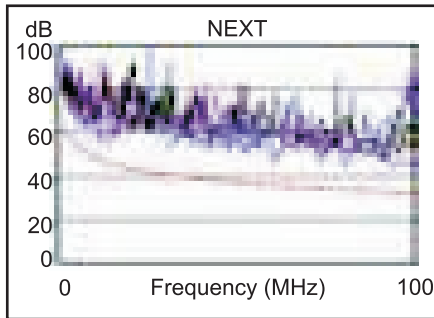
- Characteristic Impedance: **100 ± 15 Ω**
- Conductor Resistance: **≤ 9.38 Ω /100m**
- Insulation Resistance: **100 Ω**
- Mutual Capacitance: **< 5.6nF/100m**
- Resistance Unbalance: **5% Max**
- Capacitance Unbalance: **330pF/100m**
- Delay Skew: **< 45nS**
- NVP: **69%**
- Operating Voltage: **72V**
- 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-100	CAT5e UTP 24AWG Solid: 100M
NCB-5EUGRYR-305	CAT5e UTP 24AWG Solid: 305M
NCB-5EUGRYR-305-LS	CAT5e UTP LSZH Solid Cable: 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



**D-Link (India) Limited**  
 Kalpataru Square, 2nd Floor, Kondivita Lane, Andheri-East, Mumbai-400059  
 Specifications are subject to change without notice.  
 D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries.  
 All other trademarks belong to their respective owners.  
 ©2010 D-Link Corporation. All rights reserved. Release 01 (May 2010)