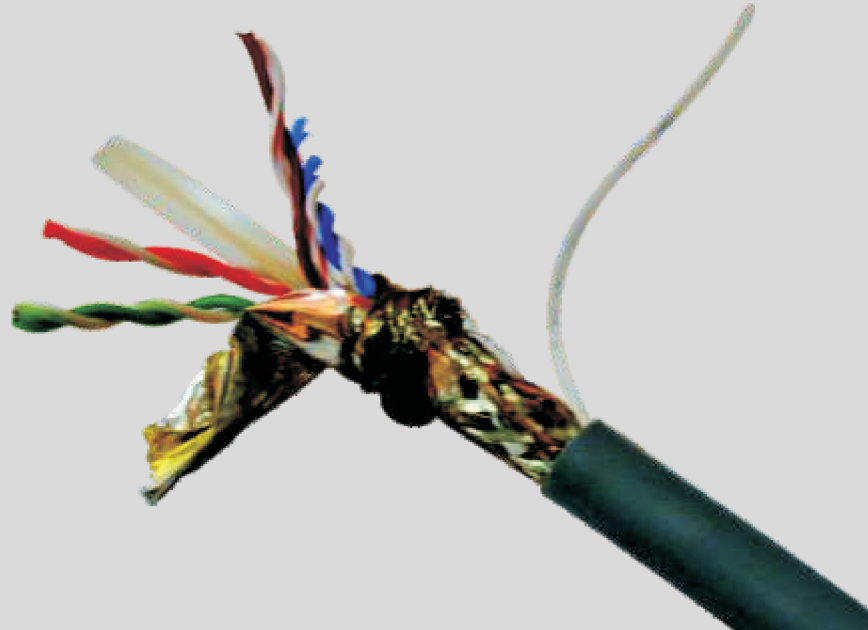




APPLICATION

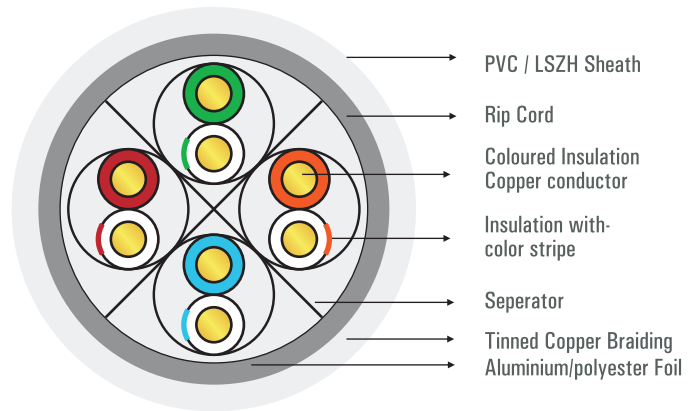
Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 250 MHz. Tinned Copper Screening gives Protection against EMI and avoid signal loss. Better Mechanical Properties of Cable

This cable well exceeds the requirements of TIA/EIA-568.C.2



CONSTRUCTION

- Conductor: **23 AWG Solid bare Copper**
- Insulation: **High Density Polyethylene**
- Pairs: **2 Insulated conductors twisted together**
- Shield: **Aluminum / Polyester Foil**
Tinned copper Braiding
- Sheath: **FR-PVC / LSZH**
- Cable Diameter: **7.5 mm nominal**



✦ COLOR CODE

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

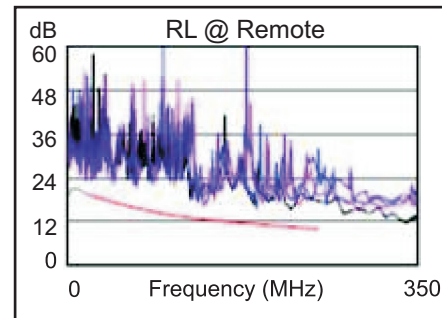
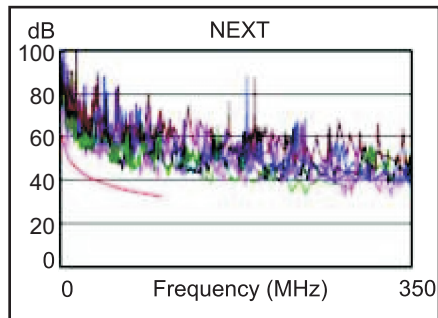
✦ ELECTRICAL PROPERTIES

Conductor Resistance:	≤ 9.38 Ω/100m
Mutual Capacitance:	< 5.6nF/100m
Resistance Unbalance:	5% Max
Capacitance Unbalance:	330pF/100m
Delay Skew:	< 45nS

◆ ELECTRICAL CHARACTERISTICS MEET OR EXCEED TIA/EIA-568.C.2

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	74.3	72.3	67.8	64.8	72.3	70.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5	59.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5	53.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3	51.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6	46.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3	44.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0	30.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200	29.0	18.0	39.8	37.8	21.8	18.8	10.8	8.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5	3.5

* Tested for 600Mhz



◆ MECHANICAL PROPERTIES

Bending Radius: < 8 x Cable Diameter at $-20^{\circ}\text{C} \pm 1^{\circ}\text{C}$

Pulling Force: 11.5Kgs

Temperature Range: -20° to $+70^{\circ}\text{C}$

◆ CONNECTION SYSTEM

Compatible with all common systems according to TIA/EIA 568.C.2

◆ PACKING

Available in 305meter coils or as per customer requirement

◆ ORDERING INFORMATION

Part Code	Description
NCB-C6SGRYR-305	CAT6 SFTP 23AWG Solid: 305M
NCB-C6SGRYR-305-LS	CAT6 LSZH SFTP 23AWG Solid: 305M

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)