D-Link®

CAT 6 SFTP CABLES

APPLICATION

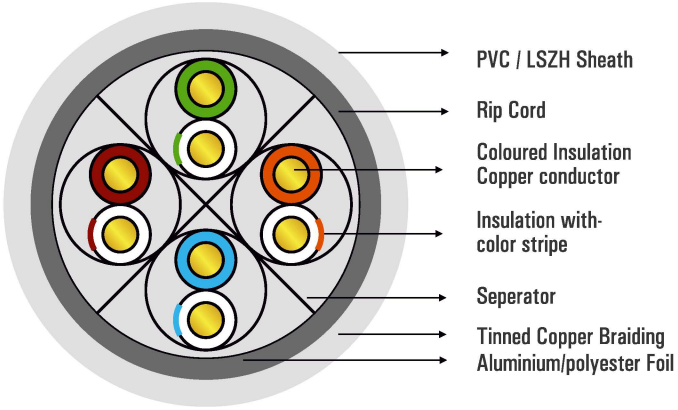
Enhanced performance cable for transmission of high speed data, digital and analogue voice and video(RGB) signals on LANs. Supports Gigabit Ethernet(1000 baseT) standard. Operates at bandwidth of 250 MHz.
Tinned Copper Screening gives Protection against EMI and avoid signal loss. Better Mechanical Properties 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 Complies with** **ASTM D 2863** **IEC 60332-1** **IEC 60754-1 (Applicable for LSZH)**
Cable Diameter:	**7.6 mm ± 0.3 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:	**< 50nS**
Propagation Delay :	**< 555nS**
Impedance :	**100 ± 15%Ω**

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

HIGH FREQUENCY ELECTRICAL PARAMETERS						
FREQ (MHz)	ATT (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB@100 m) min.	PS.ACRF (dB@ 100 m) min	Return Loss (dB/100m)
1	2.1	65.0	62.0	63.3	60.3	19
4	4.0	63.0	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54.0	43.3	40.3	19
16	8.0	53.2	50.6	39.2	36.2	18
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0

✦ MECHANICAL PROPERTIES

Bending Radius: < 8 x Cable Diameter at –20°C ± 1°C

Pulling Force: 11.5Kgs

Temperature Range: –20°to +70°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

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