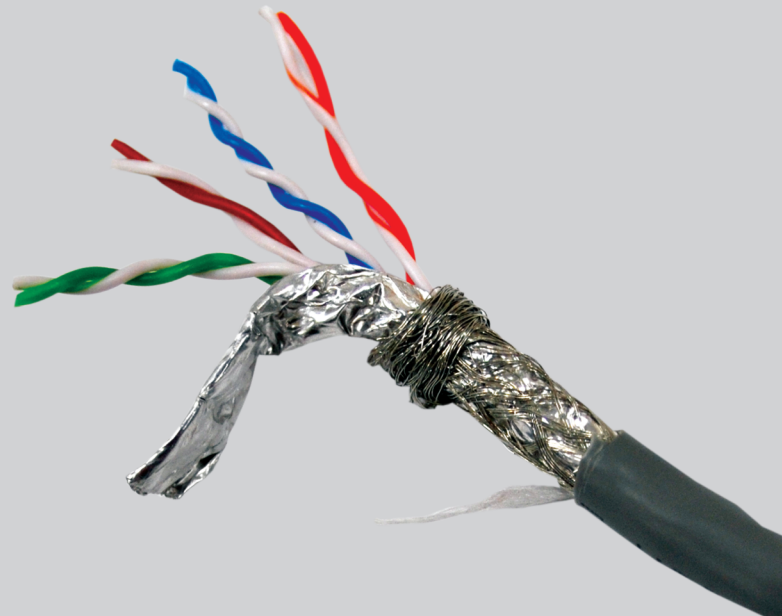


APPLICATION

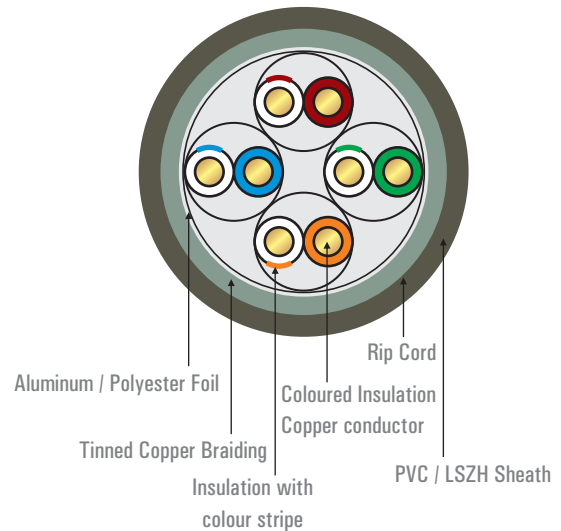
Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard. Operates at bandwidth of 100 MHz. Tinned Copper gives Protection against EMI and avoid signal loss with Higher Mechanical protection.

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



CONSTRUCTION

- Conductor: **24 AWG Solid bare Copper**
- Insulation: **High Density Polyethylene**
- Pairs: **2 Insulated conductors twisted together**
- Shield: **Aluminum / Polyester Foil**
Tinned copper Braiding
- Sheath: **PVC / LSZH**
- Cable Diameter: **6.5 mm nominal**
- Printing: **Each meter printed with**
D-Link Category 5e SFTP 4/24 AWG UTP Category 5e TIA/EIA 568 C.2 Month/Year XXX M



◆ **COLOR CODE**

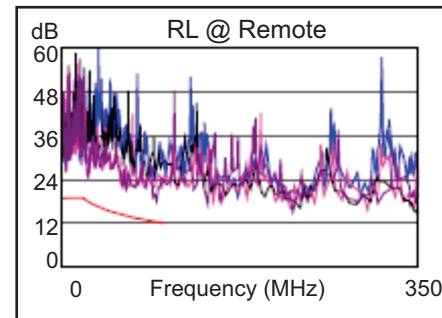
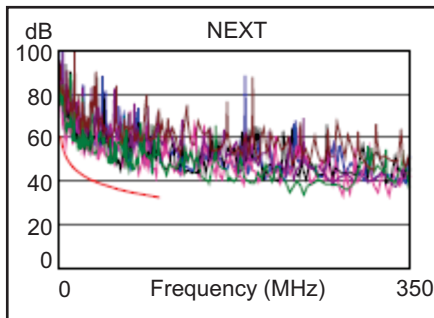
PAIR NO	COLOR
1-2	White-Orange Stripe and Orange
3-6	White-Green Stripe and Green
4-5	White-Blue Stripe and Blue
7-8	White-Brown Stripe and Brown

◆ **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	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: < 8 x Cable Diameter at -20°C ± 1°C

Pulling Force: 9.0 Kgs

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-5ESBLUR-305	CAT5e SFTP 24AWG Solid: 305M

D-Link (India) Limited
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