Cat6 23AWG Double Sheath Outdoor Cable

INTRODUCTION

D-Link solid cables are the best twisted-pair cables in the market for transmitting data over local area Networks (LANs). These cables exceed performance requirements specified by the TIA/EIA-568C.2 and IEC 60603-7-4 standards.

As streaming video and multimedia over LAN are gaining popularity, users demand faster data transmission and reduced waiting time. D-Link cables are ideal for simple, cost-effective and high-speed transmission performance. They support a higher signal-to-noise ratio, providing better reliability for current applications and higher data rates for future applications.

CAT6 FTP CABLE

D-Link Cat6 cables reduce crosstalk and system noise. The superior insulation around the 23 AWG copper wires attribute to the increased performance. They can transmit data at 1000 Mbps (~1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE-TX Fast Ethernet and 1000BASE-T / 1000BASE-TX (Gigabit Ethernet)

The shield reduces electrical noise from affecting the signals, and to reduce electromagnetic radiation that may interfere with other devices.

TECHNICAL DETAILS

- Mutual Capacitance: 5.6nF/100m nominal
- Characteristic Impedance: 100Ω±15%
- Nominal Velocity of Propagation: 69%
- Conductor Resistance: < 9.38Ω/100m
- Resistance Unbalance: 5 % Max
- Capacitance Unbalance: 330pF/100m
- Delay Skew: < 45nS
- Bending Radius: : < 8 x Cable Diameter in mm at –20°C ± 1°C
- Pulling Force: :   11.5 Kgs
- Temperature Range: -20°to +70°C

SPECIFICATIONS

- 4 Pairs Foiled Twisted Pair (FTP) Cable
- Conductor Metal: Solid Bare Copper
- Shield: Aluminum Polyester Foil
- Color Code: Black
- Conductor Diameter: 0.560mm Nominal, 23 AWG
- Insulation Diameter: 1.14 Nominal, Insulation Material: HD-PE
- Drain Wire: 26 AWG
- Jacket Material: Double sheath, PVC Inner Sheath, UV PVC Outer Sheath
- Cable Diameter: 8.6mm Nominal

APPROVAL / CERTIFICATION

- Verified compliant with TIA/EIA-568C.2 standards by ETL
- CUL listed
- RoHs

TRANSMISSION CHARACTERISTICS meets or exceed ANSI/TIA-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

Product No.	Description	Color
NCB-C6FOBLR-305	CAT6 FTP 23 AWG PVC/ UV PVC Outdoor Cable	Black