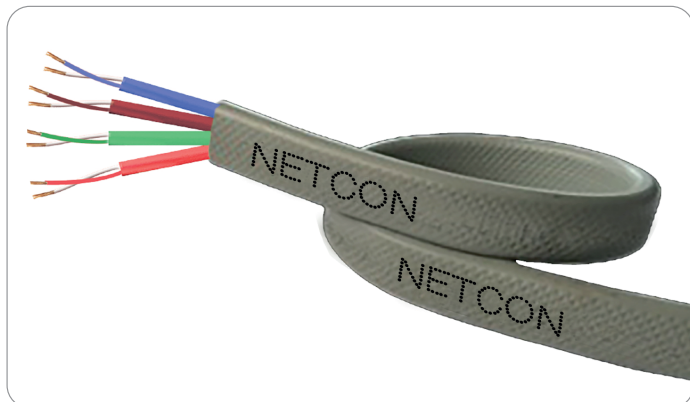


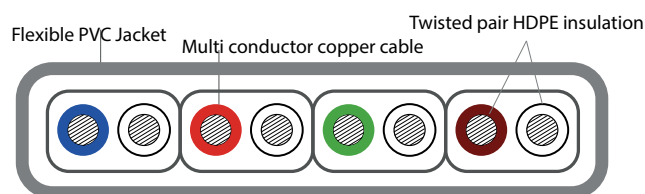


APPLICATIONS

Cat6 elevator cables are commonly used in elevator systems to transmit data between different components of the elevator system, such as control panels, sensors, and communication devices. Some common applications of Cat6 elevator cables include, monitoring and Surveillance System, Data Transmission, Integration with Building Management Systems, Audio Video System, IP Transmission devices and Equipment.

ELECTRICAL PROPERTIES

Resistance	7.0Ω/100 m
Unbalance Resistance of pair	≤ 2%
Unbalance Resistance of pairs	≤ 4%
Dielectric of Conductors	DC1.0kV* 1min
Dielectric conductor to Ground	/
Insulation Resistance 20°C 500V	≥ 5000 MΩ.KM
Mutual Capacitance of a Pair	≤ 5.6 pF/100m
Pair to Ground Unbalance Capacitance	/



ELEVATOR CAT6 FLAT FLEXIBLE CABLE

Conductor	Material		Diameter			
	Copper		23AWG 0.56mm			
Insulation	Material		Diameter			Thickness
	HDPE		1.0 mm			0.18 mm
Twisted Pair	Lay Length	1	12 mm	Colour of each Pair	1	White-Blue / Blue
		2	13 mm		2	White-Orange / Orange
		3	16 mm		3	White-Green / Green
		4	20 mm		4	White-Brown / Brown
Separate	YES					
Mylar Tape	NO					
Drain Wire	NO					
Shielding	NO					
Rip Cord	YES					
Rip Cord	Material		Diameter			Thickness
	PVC/LSZH/PE		6.5* 13.5 + 0.2 mm			0.6 mm

REFERENCE STANDARDS

Reference Standard- EN50288-5-1, ANSI/TIA/EIA-568-5-2000, UL 444, EN 55032, EN 55035, Frequency: 250 MHz, ISO/IEC 11801:2011 (Ed 2.2) Class E

TRANSMISSION PERFORMANCE

Frequency	Phase Delay T	Phase Delay Skew ΔT	Insertion Loss IL	TCL	Near End Crosstalk Loss NEXT	Power Sum NEXT PS NEXT	ACR-F	PS ACR-F	Fitted Characteristic Impedance Zc		Characteristic Impedance Zcm		Return Loss RL	Structure Return Loss SRL
MHz	≤ dB /100m	≤ ns /100m	≤ dB /100m	dB	≥ dB /100m	≥ dB /100m	≥ dB /100m	≥ dB /100m	Max. m Ω /m	Min. m Ω /m	Max. m Ω /m	Min. m Ω /m	≥ dB	≥ dB
1	570	45	2	50	74.3	72.3	68	65	113	95	115	85	20	30
4	552	45	3.8	44	65.3	63.3	56	53	109	95	115	85	23	30
8	547	45	5.3	41	60.8	58.8	49.9	46.9	107.8	95	115	85	24.5	30
10	545	45	6	39	59.3	57.3	48	45	107.5	95	115	85	25	30
16	543	45	7.6	38	56.2	54.2	43.9	40.9	107	95	115	85	25	30
20	542	45	8.5	37	54.8	52.8	42	39	106.8	95	115	85	25	30
25	541	45	9.5	36	53.3	51.3	40	37	106.6	95	115	85	24.3	29
31.25	540	45	10.7	35.1	51.9	49.9	38.1	35.1	106.4	95	115	85	23.6	28.1
62.5	539	45	15.4	32	47.4	54.4	32.1	28.8	106	95	115	85	21.5	25.1
100	538	45	19.8	30	44.3	42.3	28	25	105.8	95	115	85	20.1	23
200	537	45	29	27	39.8	37.8	22	19	105.6	95	115	85	18	20
250	536	45	32.8	26	38.3	36.3	20	17	105.5	95	115	85	17.3	19

ORDERING INFORMATION

Part No.	Description
NTVLC623P	Voltan Cat6 Flat lift travel multi conductor Flexible cable, 23 Awg, 250 Mhz, PVC, 305mtr
NTVLC6A23P	Voltan Cat6A Flat lift travel multi conductor Flexible cable, 23 Awg, 500 Mhz, PVC, 305mtr