

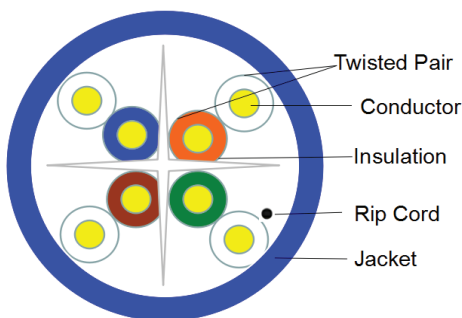
CATEGORY 6 CABLE, 4 PAIR, UTP, CMR ETL

Description:

CAT6 ENHANCED 550 MHz 23 AWG SOLID BC 4PR, UTP,
ANSI/TIA 568.2-D, CMR ETL, PVC JKT - 1000 FT BOX

Regulatory

ANSI/TIA 568.2-D
ETL CMR FT4
EU RoHS 2011/65 EU Compliant
PoE: IEEE 802.3 bt Type 3/4



Part Number:	Jacket Color:
CAT6-BK-ETL	Black
CAT6-BL-ETL	Blue
CAT6-GN-ETL	Green
CAT6-GY-ETL	Gray
CAT6-OR-ETL	Orange
CAT6-PUR-ETL	Purple
CAT6-RD-ETL	Red
CAT6-WT-ETL	White
CAT6-YL-ETL	Yellow

Application:

Lan Cable

Construction Characteristics:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.552+/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.200mm
	AVG.Thickness	0.220mm
	Diameter	1.01+/-0.01mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Jacket	Material	PVC
	Min.Thickness	0.46mm
	AVG.Thickness	0.52mm
	Diameter	6.00+/-0.10mm
	Rip Cord	Nylon
	Color	Per request
Bend radius		Min 20D/120mm

Electrical & Physical Characteristics:

Operating Temperature Range			- 20°C +75°C
Conductor Resistance			Max 72.2ohm/km at 20°C
Dielectric Strength			Min AC1.5KV
Spark Test			5.0KV
Insulation	Unaged	Tensile Strenght	12.3Mpa
		Elongation	150%
	Aged	Tensile Strenght	9.8Mpa(100°C 168h)
		Elongation	100%(100°C 168h)
Jacket	Unaged	Tensile Strenght	13.8Mpa
		Elongation	100%
	Aged	Tensile Strenght	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
Rated Voltage			Max 300Volts
DC Resisittance Unbalance			Max 5%
Pair-to-Ground Capacitance Unbalance			Max 3300pF/km
Characteristic Impedance			100+/-15OHM
Nominal Velocity of Propagation(%)			67~69
Propagation Delay			Max 536ns/100m
Delay Skew			Max 45ns/100m

Marking:

STRUCTURED CABLE PRODUCTS --- CAT6-ETL --- CAT6 UTP ENHANCED 550MHz ANSI/TIA 568.D-2-- ETL LISTED 5015458 (ETL) C(ETL) CMR FT4 75C 23AWG SOL BC 4PR UTP--EU RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 *FEET

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
13.3kgs/29.32lbs	400X290X400	1000FT/Box	36

Performance-1

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2	1.9	74.3	80.3	72.3	76.6	72.3	78.4
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9
8	5.3	5.1	60.8	66	58.8	65.1	55.5	60.9
10	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4
300	36.4	33.3	37.1	54.2	35.1	53.4	0.7	20.9
400	43	38.6	35.3	53.8	33.3	52.1	---	---
500	48.9	43.9	33.8	51	31.8	49.3	---	---

Performance-2

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	20	23.6	67.8	75.6	64.8	73.3	70.3	74.7
4	23	23.9	55.8	61.3	52.8	60.1	59.5	70.5
8	24.5	30	49.7	55.7	46.7	54.8	53.5	60
10	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7
300	16.8	20.8	18.3	26.5	15.3	25.4	---	---
400	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	15.2	18.6	13.8	19.5	10.8	18.7	---	---