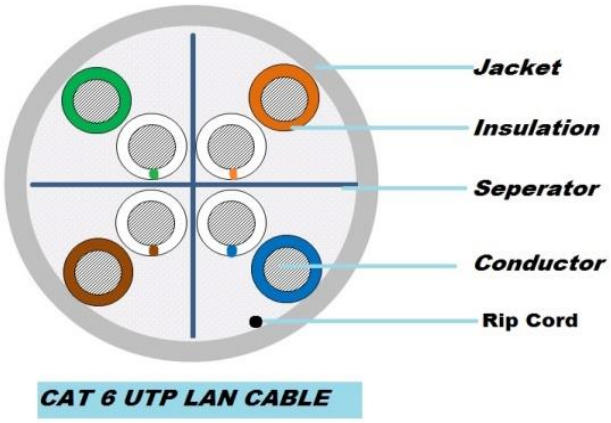
VOLTAIC CABLE
PVT. LTD.
A Quality Prefer Name

CAT6 24 AWG (0.51 mm)UTP CABLE VOLTAIC



CONSTRUCTION	
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	24 AWG (0.510 ± 0.015 mm)
Insulation	Polyethylene (HDPE)
Pairing	Twisted into Two core
No.of Pair	4, Each pair Twisted
Color Code:	
Pair #1	Orange-White with Orange
Pair #2	Brown-White with Brown
Pair #3	Blue-White with Blue
Pair #4	Green-White with Green
Outer Sheath material	PVC
Colour of Sheath	L-Grey
Approximate OD	5.4 ± 0.30 mm
Rip Cord	Yes
Sequential Marking	At Every Meter
Cross Filler	HDPE
Temperature Rating	-20 to + 60 °c
Packing	305 Mtrs in a Box

Physical Characteristcs	
Installation Temperature	0 to +50°C
Storage Temperature	-20 to +75°C
Operating Temperature	-20 to +60°C

ELECTRICAL PARAMETER	
CONDUCTOR RESISTANCE (DC)	93.5Ω/1000 mtr @20°c Max
RESISTANCE UNBALANCE	5% Max
MUTUAL CAPACITANCE	5.6 nf/100 mtr Max
NVP	69%
IMPEDANCE	100 ± 15% Ω
Worst Cable Skew	45ns/100 mtr.

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VOLTAIC HOUSE, S.K. IND.2 Co-Op. Soc., Shed No. A-6, Nr. Komal Circle,
120 Feet Road, Bamroli, Surat – 395003, Gujarat, India
(M) 098247 22252 (O) 0261-2633755 (E) info@voltaiccables.com (W) www.voltaiccables.com

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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

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