

CAT 6 CCAU - 23AWG CABLE

APPLICATION: CCTV, IP TELEPHONY, INTERCOM, Transmission of Data for Audio & Video Applications

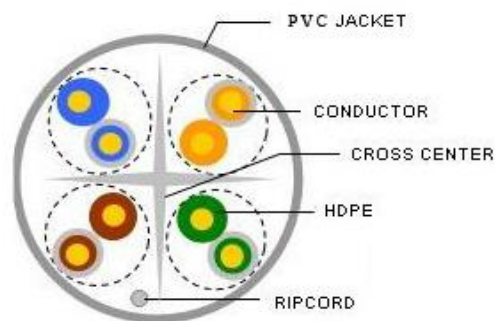
PART NO: CAT6UTP50123

Description CAT6 23AWG X 4 PAIR CCAU CABLE

CONSTRUCTION DATA SHEET

Configuration:

OPERATING TEMPERATURE		-15°C TO 75°C
CONDUCTOR	COND.MATERIAL	CCAU CONDUCTOR
	NO OF STRANDS	1 Nos
	CONDUCTOR (MM)	0.58 ± 0.005 mm
INSULATION	MATERIAL	HDPE (High Density Polyethylene)
	THICKNESS (MM)	0.25MM
	DIAMETER (MM)	1.10 ± 0.10 mm
PAIR TWISTING	# PAIR SEQUENCE	Pair - 1 Blue + White-Blue
		Pair - 2 Orange + White-Orange
		Pair - 3 Green + White-Green
		Pair - 4 Brown + White-Brown
LAYING TYPE	4 PAIR LAID UP	All of the 4pair twisted together With Separator i.e. (⚡)
	RIP CORD	Yes (Available)
	MATERIAL	PVC (Polyvinyl Chloride)
OUTER JACKET	THICKNESS (MM)	0.55 mm (Nominal)
	DIAMETER (MM)	6.20 ± 0.30 mm
	COLOUR	WHITE



ELECTRICAL PARAMETERS

CONDUCTOR RESISTANCE AT 20 C0	93.80 Ω/Km (Maximum)
RESISTANCE DC UNBALANCE	5% (Maximum)
INSULATION RESISTANCE	>367.0 MΩ/KM AT 500 VDC
DIELECTRIC STRENGTH	0.700 KV AC for 1 Minute (Withstood)
SPARK TEST	1.0 KV AC for 0.15 Seconds (Withstood)
CAPACITANCE TO 1KHz (Approx)	5.6nF/100m

MECHANICAL PERFORMANCE	INSULATION	PVC JACKET
INSULATION & SHEATH	TENSILE STRENGTH	13.79 N/mm (Minimum)2
	ELONGATION	300% (Minimum)
HOT DEFORMATION TEST (PVC Jacketing)	50% Maximum (80 ± 2 C for 4h)	
HEAT SHOCK TEST (PVC Jacketing)	150 ± 2 C X 1 hrs (No Cracks)	
COLD BEND TEST (PVC Jacketing)	(-15 ± 2 C for 2-3 hrs (No Cracks)	
BENDING RADIUS TEST	5 Times of Overall Dia (No Cracks)	

PRINTING:

KAYBE (India) CAT 6 CCAU 23AWG AS PER ANSI/TIA 568C.2 MTR (MONTH-YEAR)

CE, ROHS, 3P

Fluke Pass : 70meters

PACKAGING: 305 METER EASY PULL BOX

2 Rolls of 305meters per box

DESCRIPTION:-
CAT6 23AWG X 4 PAIR CCAU CABLE
PART No: LIGHT Series - CAT6UTP50123
HIGH FREQUENCY ELECTRICAL PARAMETERS

FREEQ (MHz)	INS LOSS (dB/100m) Max.	NEXT Pair to Pair (dB/100m) Min.	NEXT Power Sum (dB/100m) Min.	ELFEXT Pair to Pair (dB/100m) Min.	ELFEXT Power Sum (dB/100m) Min.	Return Loss (dB/100m)
1	1.8	71.0	67.4	70.1	67.3	25.2
4	3.6	62.5	64.1	58.8	55.9	28.1
8	5.0	60.0	63.2	51.2	50.0	26.3
10	5.8	58.1	61.5	50.1	46.7	30.1
16	7.7	55.0	60.0	46.9	43.9	31.0
20	7.9	54.3	55.6	45.3	41.5	30.8
25	8.4	53.7	54.9	42.5	40.7	29.6
31.25	10.0	52.3	55.9	41.8	36.8	29.0
62.5	14.5	46.7	49.8	35.0	30.3	26.7
100	18.1	44.0	46.3	32.1	28.1	25.0
250	33.0	38.0	36.0	20.0	18.0	18.0

Compatible KAYBE Products:

1. CAT 6 UTP Keystone & Faceplate
2. CAT 6 UTP 24Awg Patch Cords
3. CAT 6 UTP - 24port & 48port Patch Panel
4. CAT 6 UTP - 50u Gold - Rj45 Connectors

KAYBE Products include HDMI, Coaxial Cables, Structured Cables, Networking Accessories, Speaker & BMS Cables, Control & Sound Cables, Fire Resistant Cables, HDMI Splitters, AV Wall Mounts & Fiber Optic Solutions