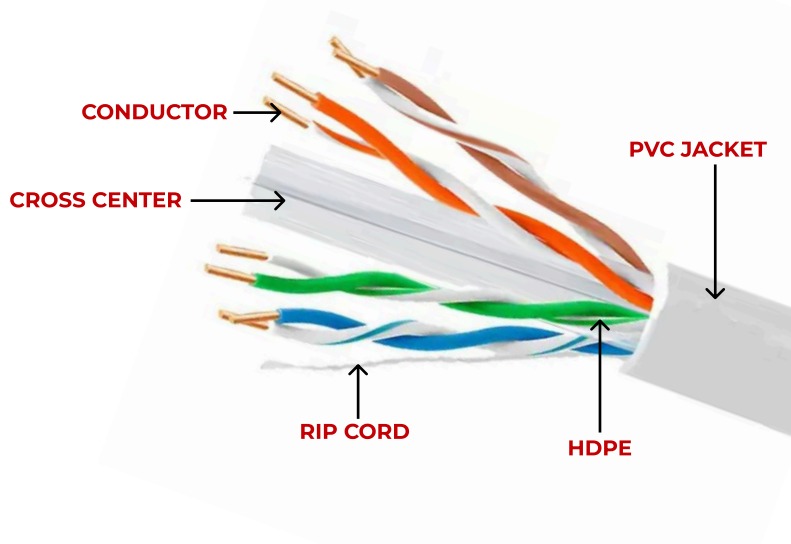


### CAT6 UTP - CCAU CABLE

**PART NO.:** CAT6501

**DESCRIPTION:** 23AWG X 4 PAIRS CAT6 UTP

KAYBE CAT6 23AWG CCAU – UTP Cable is a reliable choice for robust networking. Built with a 23AWG gauge and High Content Copper-Claded Aluminum (CCAU), it ensures efficient, high-speed data transfers, perfect for gaming, streaming, and large file handling. A cost-effective and dependable solution for various networking needs and CCTV connectivity.



### HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (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

## CONSTRUCTION DATA SHEET

Operating Temperature	—15°C TO 75°C
<b>CONDUCTOR</b>	
Conductor Material	CCAU Conductor
No. Of Strands	1 Nos
Conductor (mm)	0.58 ± 0.005 mm
<b>INSULATION</b>	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.25MM
Insulation Diameter	1.10 ± 0.10 mm
<b>PAIR TWISTING</b>	
Pair - 1	Blue + White-Blue
Pair - 2	Orange + White-Orange
Pair - 3	Green + White-Green
Pair - 4	Brown + White-Brown
<b>LAYING TYPE</b>	
4 Pair Laid Up	All of the 4pair twisted together With Separator i.e. Cross Web
RIP Cord	Yes (Available)
<b>OUTER JACKET</b>	
Material	PVC (Polyvinyl Chloride)
Thickness (mm)	0.55 mm (Nominal)
Diameter (mm)	6.20 ± 0.30 mm
Colour	White

## ELECTRICAL PARAMETERS

Conductor Resistance At 20 CO	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

## COMPATIBLE KAYBE PRODUCTS

CAT 6 UTP Keystone  
& Faceplate

CAT 6 UTP 24Awg  
Patch Cords

CAT 6 UTP - 24 port  
& 48 port Patch Panel

CAT 6 UTP - 50u Gold  
- Rj45 Connectors