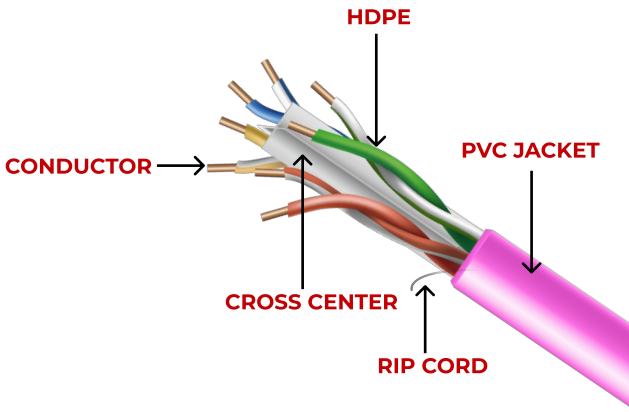
CAT6A 10G ULTRA SERIES - U/UTP CABLE

PART NO.: CAT6A10GUTP

DESCRIPTION: ULTRA 10G CAT6A, 4PAIR UTP CABLE

KAYBE CAT6A 10G Ultra Series - U/UTP cable is engineered for 10 Gigabit Ethernet, offering reliable performance with up to 500 MHz bandwidth. Its unshielded twisted pair design minimizes interference, ensuring stable and fast connections. Ideal for high-speed networks, it's perfect for data centers and demanding installations.





HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHz)	INSERTION LOSS (Solid)	RETURN LOSS	NEXT	ACRF	PROP. DELAY	PS NEXT	PS ACRF
1	2.1	20.0	74.3	67.8	570	72.3	64.8
4	3.8	23.0	65.3	55.8	552	63.3	52.8
8	5.6	24.5	60.8	49.7	547	58.8	46.7
10	5.9	25.0	59.3	47.8	545	57.3	44.8
16	7.5	25.0	56.2	43.7	543	54.2	40.7
20	8.4	25.0	54.8	41.8	542	52.8	38.8
25	9.4	24.3	53.3	39.8	541	51.3	36.8
31.25	10.5	23.6	51.9	37.9	540	49.9	34.9
62.5	15.0	21.5	47.4	37.9	539	45.4	28.9
100	19.1	20.1	44.3	27.8	538	42.3	24.8
200	27.6	18.0	39.8	21.8	538	37.8	18.8
250	31.1	17.3	38.3	19.8	536	36.3	16.8
300	34.3	16.8	37.1	18.3	536	35.1	15.3
400	40.1	15.9	35.3	15.8	536	33.3	12.8
500	45.3	15.2	33.8	13.8	536	31.8	10.8

CONSTRUCTION DATA SHEET

CONDUCTOR	
Conductor Material	Solid Bare Copper
Conductor (mm)	23AWG Oxygen free Copper
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Min. Avg. Thickness	0.220 mm
Insulation Min. Thickness	0.195 mm
PAIR TWISTING	
Pair - 1	Blue & White/Blue
Pair - 2	Orange & White/Orange
Pair - 3	Green & White/Green
Pair - 4	Brown & White/Brown
INNER SHIELD	
4 Pair Laid Up	All of the 4pair twisted together With Separator i.e. Cross Filler
Foil	AL Foil + Drain Wire
OUTER SHEATH	
Material	LSZH / FR-PVC
Min. Avg. Thickness (mm)	0.80 mm
Min. Thickness (mm)	0.70 mm
Approximate O.D.	7.8 mm +/- 0.3mm
Color	Purple / Ash Grey

ELECTRICAL PARAMETERS

Characteristic Impedance(Zo)	85～115Ω (1～500 MHz)
DC. Resistance Capacitance Unbalance	5%
Pair-to-Ground Capacitance Unbalance	330 pF/100M Max
Conductor Resistance	7.32Ω/ 100M 20℃ Max
Mutual Capacitance	5600 pF/100m Max
Spark Test	2.5KV
Nominal Velocity of Propagation (NVP)	68%

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	PACKAGING
CAT6A10GUTP	CAT6A 10G SERIES - U/UTP CABLE	100 meter/box (1000ft)
CAT6A10GUTP	CAT6A 10G SERIES - U/UTP CABLE	305 meter/drum (1000ft)
CAT6A10GUTP	CAT6A 10G SERIES - U/UTP CABLE	500 meter/drum (1640ft)

COMPATIBLE KAYBE PRODUCTS

CAT 6A STP - Tool less Keystone Jack	**CAT 6A STP - Rj45 Connectors 50u**	**CAT 6A SFTP Patch Cords**	**CAT 6A Patch Panel - STP 24port & 48port**

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