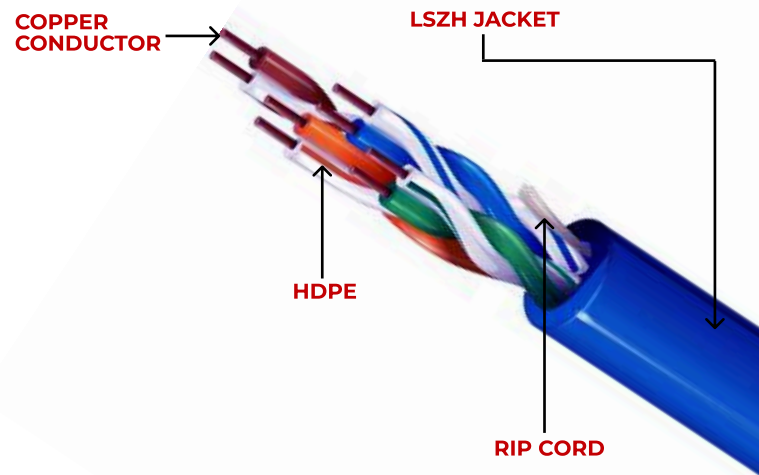


CAT6 U/UTP - BLAZE SERIES

PART NO.: C650024

DESCRIPTION: CAT6 U/UTP 23AWG ENHANCED CABLE

KAYBE CAT6 U/UTP - BLAZE SERIES 100% copper Etisalat Approved cable combines superior performance with reliability, supporting up to 250 MHz bandwidth. Its unshielded twisted pair construction ensures minimal crosstalk for smooth Gigabit Ethernet and PoE operations. Durable and efficient, it's the perfect solution for modern networking needs.



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 70°C
CONDUCTOR	
Conductor Material	Annealed Bare Copper
No. Of Strands	1 Nos
Conductor (mm)	0.55 ± 0.015 mm
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.20 mm (Nominal)
Insulation Diameter	1.00 ± 0.10 mm
PAIR TWISTING	
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. Cross Filler
RIP Cord	Yes (Available)
OUTER JACKET	
Material	FR-PVC / LSZH
Thickness (mm)	0.50 mm (Nominal)
Diameter (mm)	6.20 ± 0.30 mm
Colour	Blue & Orange

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

Standard References - UL Verified , ETL

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	COLOR	PACKAGING
C650024B	Cat6 U/UTP 23AWG Enhanced Cable	Blue	2 rolls / box

NOTE: OLD PART NUMBER WAS CAT650023, NOW UPDATED TO C650024