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CONNECTING
PERFORMANCE

CAT6 LAN CABLES



Reliable. High Performance. Future Ready.



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QUALITY



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100% TESTED
FOR RELIABILITY



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SECURITY
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INDUSTRIAL
APPLICATIONS

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CAT6 LAN CABLES

1. CAT6 UTP - CCAU CABLE
2. CAT6 FTP - CCAU CABLE
3. CAT6 OUTDOOR - CCAU CABLE
4. CAT6 U/UTP - BOLT SERIES
5. CAT6 F/UTP - BOLT SERIES
6. CAT6 U/UTP - BLAZE SERIES
7. CAT6 UTP DUAL JACKET OUTDOOR (Copper)
8. CAT6 S/FTP - BLAZE SERIES
9. CAT6 SFTP OUTDOOR (Copper)

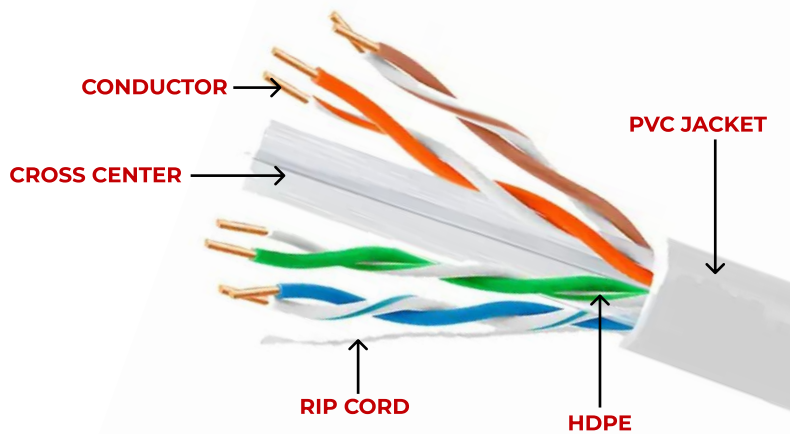


CAT6 UTP - CCAU CABLE

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
CONDUCTOR	
Conductor Material	CCAU Conductor
No. Of Strands	1 Nos
Conductor (mm)	0.58 ± 0.005 mm
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.25MM
Insulation Diameter	1.10 ± 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 Web
RIP Cord	Yes (Available)
OUTER JACKET	
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

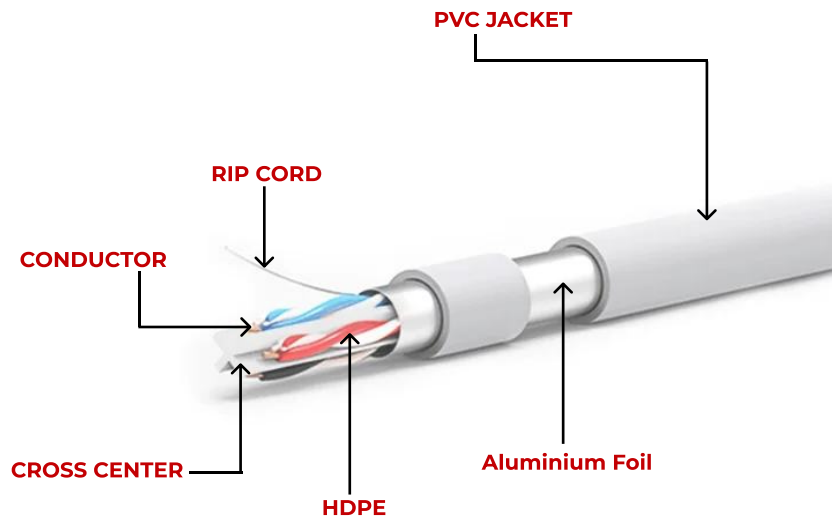
CAT 6 UTP Keystone & Faceplate	CAT 6 UTP 24Awg Patch Cords	CAT 6 UTP - 24 port & 48 port Patch Panel	CAT 6 UTP - 50u Gold - Rj45 Connectors
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CAT6 FTP - CCAU CABLE

PART NO.: CAT6FTP502

DESCRIPTION: 23AWG X 4 PAIRS CAT6 SHIELDED

KAYBE CAT6 CCAU - FTP Cable offers secure and reliable networking with Foil Twisted Pair (FTP) shielding and Copper-Clad Aluminum (CCA) construction. Designed to enhance data transmission and protect against electromagnetic interference, it's perfect for applications requiring stable, high-performance connections. A cost-effective solution that combines quality and security, ideal for professional and demanding home setups.



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	—20°C TO 70°C
CONDUCTOR	
Conductor Material	CCAU Conductor
No. Of Strands	1 Nos
Conductor (mm)	23 AWG
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.23MM
Insulation Diameter	1.10 ± 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 Web
Drain Wire	Yes (Available)
Shielding	100% Foil Coverage
RIP Cord	Yes (Available)
OUTER JACKET	
Material	PVC (Polyvinyl Chloride)
Thickness (mm)	0.56 mm (Nominal)
Diameter (mm)	6.40 ± 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)
Capacitance To 1KHz (Approx)	5.6nF/100m

COMPATIBLE KAYBE PRODUCTS

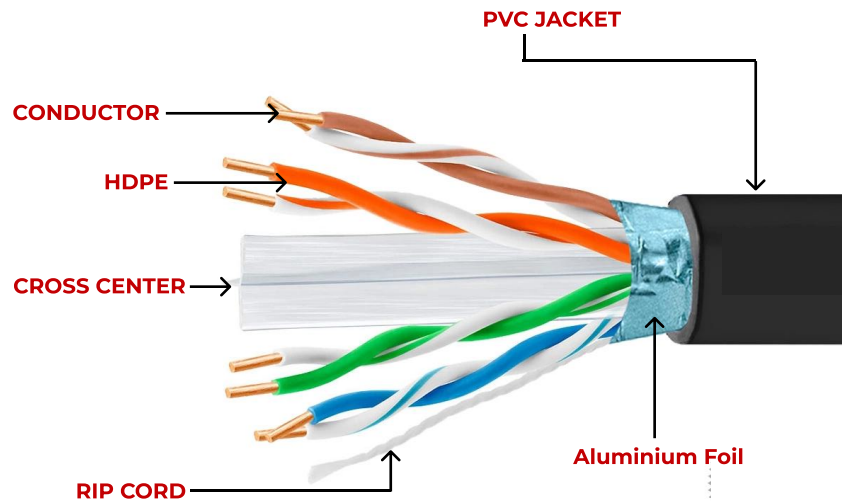
CAT 6 UTP Keystone & Faceplate	CAT 6 UTP 24Awg Patch Cords	CAT 6 UTP - 24 port & 48 port Patch Panel	CAT 6 UTP - 50u Gold - Rj45 Connectors
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CAT6 OUTDOOR - CCAU CABLE

PART NO.: CAT6FTP600PE

DESCRIPTION: 23AWG OUTDOOR SHIELDED CAT6

KAYBE CAT6 CCAU – FTP Outdoor Cable is designed for high-performance networking in outdoor environments. With Copper-Clad Aluminum (CCA) construction and FTP shielding, it ensures reliable data transmission and protection against the elements. Ideal for outdoor surveillance, remote access points, and more, this durable, weather-resistant cable provides a stable, secure connection without compromising performance.



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	—20°C TO 75°C
CONDUCTOR	
Description	23 AWG CAT6 FTP Outdoor
Conductor Material	CCAU
No. Of Strands	1 Nos
Conductor (mm)	0.55 mm
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.20MM (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
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	PE (Polyethylene)
Thickness (mm)	1.0 mm
Diameter (mm)	6.70 ± 0.10 mm
Colour	Black

ELECTRICAL PARAMETERS

Conductor ResistanceΩ/100m.20°C	≤20Ω
Conductor allow load current(A)	0.5A'
Voltage Rating	≤30V
Operating Temperature(°C)	—20°C~75°C

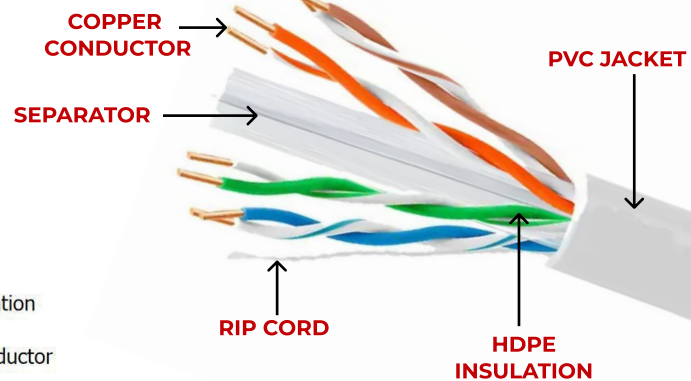
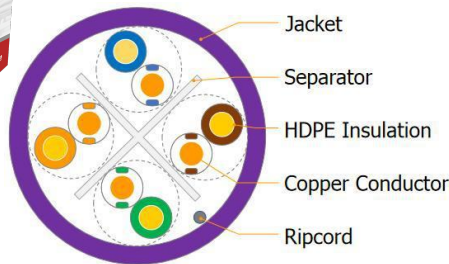


CAT6 U/UTP - BOLT SERIES

PART NO.: C650024

DESCRIPTION: CAT6 X 4 PAIR UTP 100% COPPER

KAYBE CAT6 U/UTP - BOLT SERIES 100% copper cable is designed for high-speed data transmission, supporting up to 250 MHz bandwidth. Its unshielded twisted pairs minimize crosstalk and interference for reliable performance in Gigabit Ethernet and PoE applications. Durable and versatile, it's ideal for residential and commercial 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

CONDUCTOR	
Conductor Material	Solid Bare Copper
No. Of Strands	1 Nos
Conductor Diameter (mm)	24AWG/0.505
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.20MM
Insulation Diameter	0.94 ± 0.1 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 Web
RIP Cord	Yes (Available)
OUTER JACKET	
Material	PVC (Polyvinyl Chloride)
Thickness (mm)	0.6 ± 0.1 mm
Diameter (mm)	5.8 ± 0.5 mm
Colour	White / Orange

ELECTRICAL PARAMETERS

Conductor Resistance (20°C)	≤9.5Ω/100m
Electrical Resistance Unbalance (20°C)	≤2.0%
Insulation Resistance	>5000 MΩ.km
Pair to Ground Capacitance Unbalance (0.8 kHz or 1kHz)	≤160 pF/100m
Nominal Velocity of Propagation (NVP)	69 %
Skew	45 ns/100m
Operating Frequency, maximum	250 MHz

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature Range	-20°C to +60°C
Flame Retardant	IEC 60332-1
All Materials Comply with 2011/65/EU (ROHS 2.0)	

ORDERING INFORMATION AS PER FOLLOWS

PART NO	DESCRIPTION	COLOR	PACKAGING
C650024W	CAT6 U/UTP - BOLT SERIES	White	2pcs / Carton
C650024O	CAT6 U/UTP - BOLT SERIES	Orange	2pcs / Carton

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
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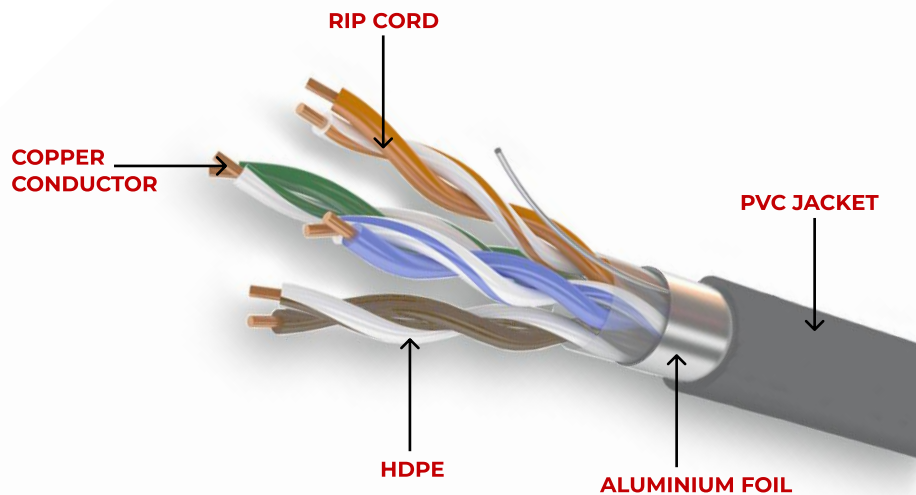


CAT6 F/UTP - BOLT SERIES

PART NO.: CAT650224

DESCRIPTION: CAT6 X 4 PAIR SHIELDED 100% COPPER

KAYBE CAT6 F/UTP - BOLT SERIES 100% copper cable offers superior performance with foil shielding to minimize interference and ensure stable data transmission. Supporting up to 250 MHz bandwidth, it's perfect for high-speed networks, including Gigabit Ethernet and PoE. Designed for durability, it's an excellent choice for demanding residential and commercial installations.



HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHz)	Att. Solid	Pr-Pr NEXT	PS NEXT	Prop. Delay ns	Delay Skew ns	Return Loss	Pr-Pr ELFEXT	Ps ELFEXT
1	2.8	74.3	72.3	570	45	20.0	67.8	64.8
10	6.5	59.3	57.3	545	45	25.0	47.8	44.8
20	8.5	54.8	52.8	542	45	25.0	41.8	38.8
31.25	10.7	51.9	49.9	540.4	45	23.6	37.9	34.9
62.50	15.4	47.4	45.4	538.6	45	21.5	31.9	28.9
100	19.8	44.3	42.3	537.6	45	20.1	27.8	24.8
200	29.0	39.8	37.8	536.5	45	18.0	21.8	18.8
250	32.8	38.3	36.3	536.3	45	17.3	19.8	16.8

CONSTRUCTION DATA SHEET

Operating Temperature	—15°C TO 70°C
CONDUCTOR	
Conductor Material	Solid Bare Copper
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Min. Avg. Thickness	0.25 mm
Min. Thickness	0.20 mm
PAIR TWISTING	
Pair - 1	Blue + White-Blue
Pair - 2	Orange + White-Orange
Pair - 3	Green + White-Green
Pair - 4	Brown + White-Brown
SHIELD	
Drain Wire	Drain wire (tinned copper conductor) and aluminum-mylar tape
OUTER JACKET	
Material	FR-PVC (Polyvinyl Chloride)
Min. Avg. Thickness	0.585 mm
Min. Thickness	0.458 mm
Approximate O.D.	6.6 mm +/- 0.3mm
Temperature	(+80°C — -40°C)

ELECTRICAL PARAMETERS

Characteristic Impedance(Z_0)	85~115 Ω (1~250 MHz)
DC. Resistance Capacitance Unbalance	5%
Pair-to-Ground Capacitance Unbalance	330 pF/100M Max
Conductor Resistance	9.38 Ω / 100M 20°C Max
Mutual Capacitance	5600 pF/100m Max
Spark Test	2.5KV
Nominal Velocity of Propagation (NVP)	70%

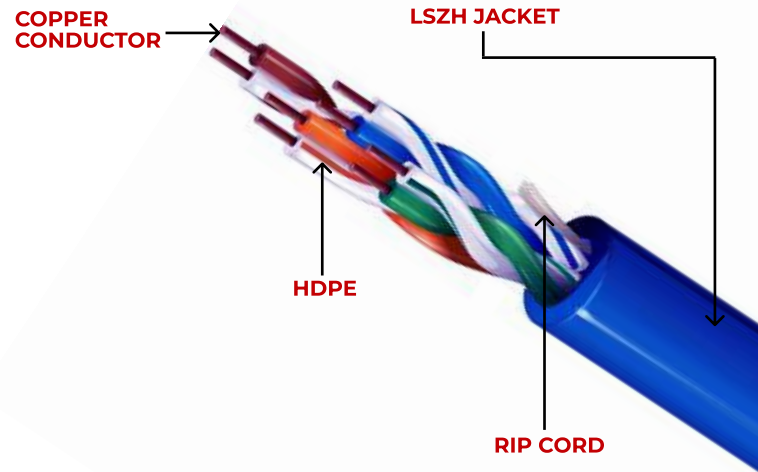


CAT6 U/UTP - BLAZE SERIES

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

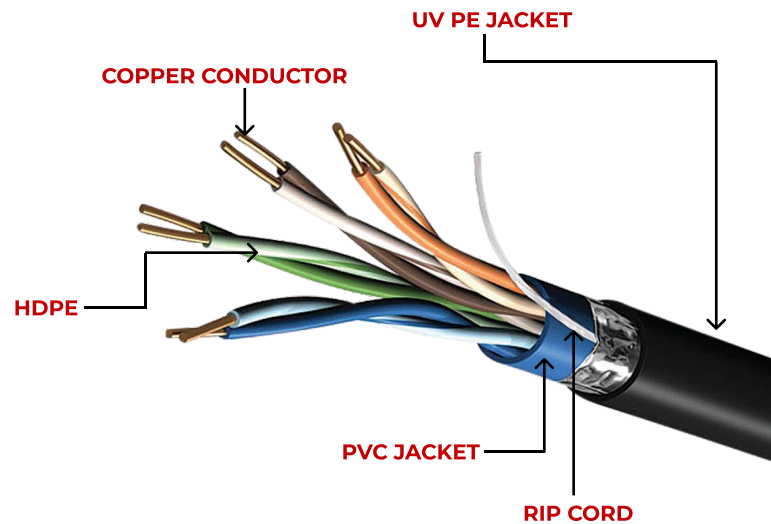


CAT6 UTP DUAL JACKET OUTDOOR (COPPER)

PART NO.: CAT6UPE60024

DESCRIPTION: BLAZE CAT6, OUTDOOR U/UTP CABLE

KAYBE CAT6 UTP Dual Jacket Outdoor (Copper) 100% copper cable is built for high-speed data transmission in outdoor environments. Its dual-layer jacket provides superior durability, protecting against harsh weather and UV exposure. Made with pure copper conductors, it ensures reliable performance. Ideal for long-distance and outdoor installations, this cable offers robust connectivity without compromising speed or stability.



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	—10°C TO 70°C
CONDUCTOR	
Conductor Material	Annealed Bare Copper
Conductor (mm)	4x2x0.535 mm
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.21 mm
Insulation Diameter	1.05 ± 0.05 mm
HDPE COLOR	
Pair - 1	White (Blue)/Blue
Pair - 2	White(Orange)/Orange
Pair - 3	White(Green)/Green
Pair - 4	White(Brown)/Brown
SHIELDING	
100% Coverage	Polyster Tape
100% Coverage	Al Myar Tape
Drain Wire	Tinned Copper
Braiding	60% Alloy coverage
OUTER JACKET	
Material	LDPE
Thickness (mm)	0.54 mm, with rip cord
Diameter (mm)	6.70 ± 0.30 mm

ELECTRICAL PARAMETERS

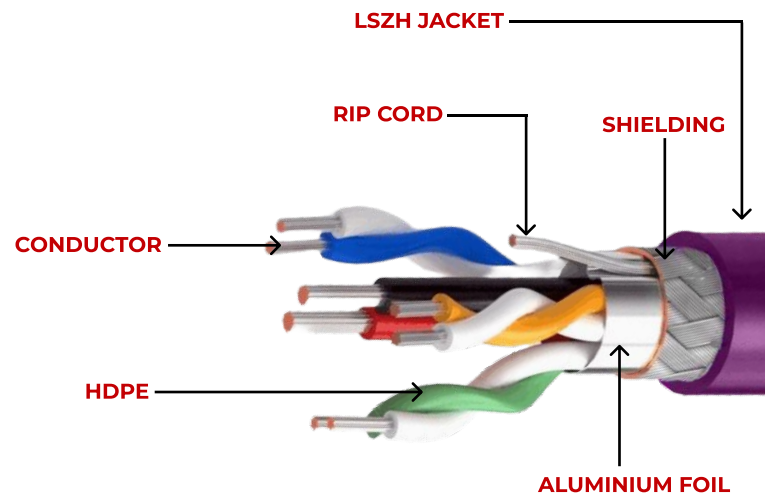
Conductor Resistance At 20°C	9.38 Ω/100m (Maximum)
Capacitance Unbalance Pair	330 PF/100m
Impedance	100 ohms/100m
Dielectric Strength	0.9KV - 1KV/min
Jacket Elongation	300% (Minimum)
Bending Radius Test	10 times
Working distance fluke pass	90m fluke pass ETL

CAT6 S/FTP - BLAZE SERIES

PART NO.: CAT6SFTP675LZ

DESCRIPTION: BLAZE CAT6, SFTP DUAL SHIELDED CABLE

KAYBE CAT6 S/FTP BLAZE SERIES 100% copper cable delivers exceptional performance with individually shielded pairs and an overall foil shield to eliminate interference. Supporting up to 250 MHz bandwidth, it ensures stable and high-speed connections for Gigabit Ethernet and PoE applications. Durable and efficient, it's perfect for demanding network environments.



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	—10°C TO 70°C
CONDUCTOR	
Conductor Material	Annealed Bare Copper
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.23 mm
Insulation Diameter	1.05 ± 0.05 mm
HDPE COLOR	
Pair - 1	White (Blue)/Blue
Pair - 2	White(Orange)/Orange
Pair - 3	White(Green)/Green
Pair - 4	White(Brown)/Brown
SHIELDING	
100% Coverage	Polyster Tape
100% Coverage	Al Myar Tape
Drain Wire	Tinned Copper
Braiding	60% Alloy coverage
OUTER JACKET	
Material	LSZH / FR-PVC
Thickness (mm)	0.56 mm, with rip cord
Diameter (mm)	7.00 ± 0.30 mm

ELECTRICAL PARAMETERS

Conductor Resistance At 20°C	9.38 Ω/100m (Maximum)
Capacitance Unbalance Pair	330 PF/100m
Impedance	100 ohms/100m
Dielectric Strength	0.9KV - 1KV/min
Jacket Elongation	300% (Minimum)
Bending Radius Test	10 times
Working distance fluke pass	100m fluke pass ETL

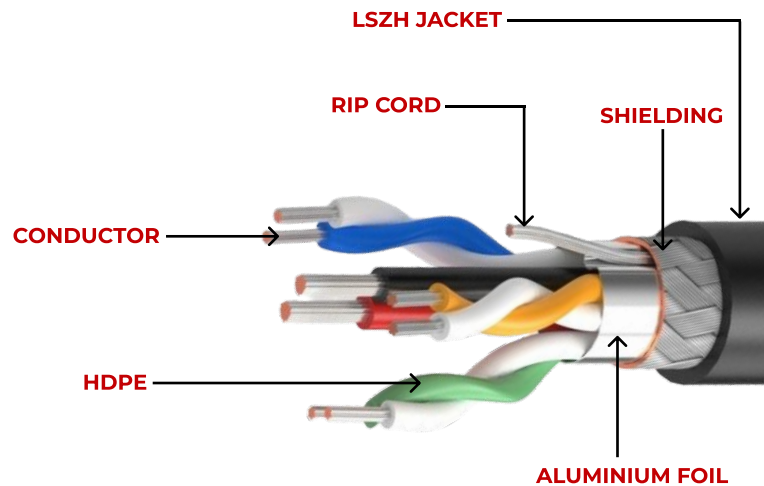


CAT6 SFTP OUTDOOR (COPPER)

PART NO.: CAT6SFTP677PE

DESCRIPTION: BLAZE CAT6, OUTDOOR SFTP CABLE

KAYBE CAT6 SFTP UV RATED Outdoor (Copper) cable offers robust performance with dual shielding to minimize interference, ensuring reliable high-speed data transmission. Designed for outdoor use, its weather-resistant jacket and pure copper conductors provide durability and superior connectivity. Ideal for Gigabit Ethernet and PoE, it's perfect for long-distance, demanding installations.



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	—10°C TO 70°C
CONDUCTOR	
Conductor Material	Annealed Bare Copper
INSULATION	
Insulation Material	HDPE (High Density Polyethylene)
Insulation Thickness	0.23 mm
Insulation Diameter	1.05 ± 0.05 mm
HDPE COLOR	
Pair - 1	White (Blue)/Blue
Pair - 2	White(Orange)/Orange
Pair - 3	White(Green)/Green
Pair - 4	White(Brown)/Brown
SHIELDING	
100% Coverage	Polyster Tape
100% Coverage	Al Myar Tape
Drain Wire	Tinned Copper
Braiding	60% Alloy coverage
OUTER JACKET	
Material	LDPE UV RATED + Flame retardant
Thickness (mm)	0.56 mm, with rip cord
Diameter (mm)	7.00 ± 0.30 mm

ELECTRICAL PARAMETERS

Conductor Resistance At 20°C	9.38 Ω/100m (Maximum)
Capacitance Unbalance Pair	330 PF/100m
Impedance	100 ohms/100m
Dielectric Strength	0.9KV - 1KV/min
Jacket Elongation	300% (Minimum)
Bending Radius Test	10 times
Working distance fluke pass	100m fluke pass ETL



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