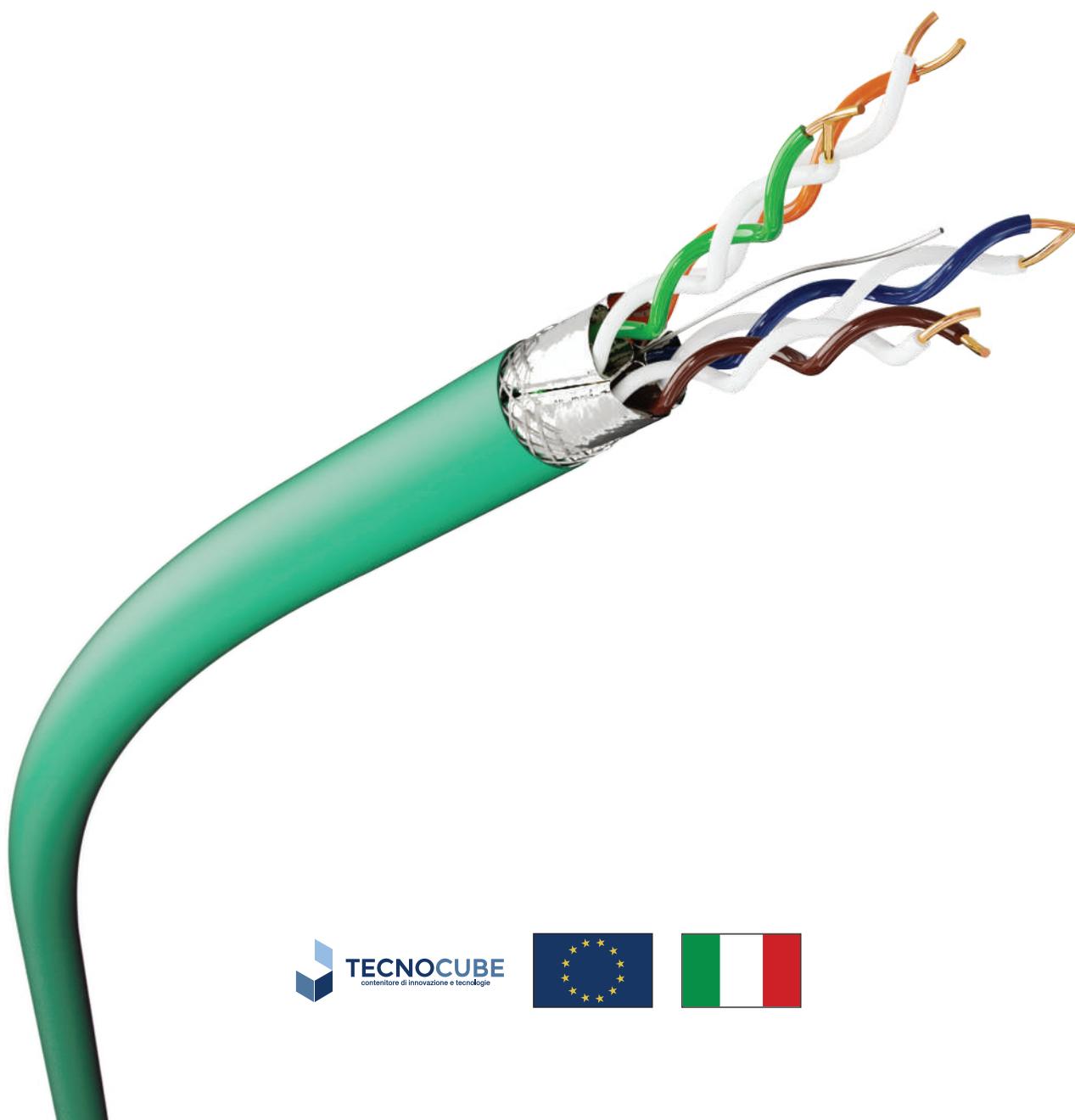


COPPER COMPONENTS

2024



CAROB BEN[®]
networking communications







Pioneering Networking and Data Center Excellence

Carobben a flagship brand of TecnoCube srl, stands at the forefront of innovation in the networking communication and data center sectors. With over 16 years of industry expertise, Carobben has built a reputation for engineering excellence, delivering high-performance networking solutions that are trusted by professionals across Italy and in 22 countries worldwide.

Our Expertise

At Carobben we specialize in the development and production of advanced networking equipment designed to meet the demands of modern telecommunications and data infrastructure. Our extensive product portfolio includes premium copper and fiber-optic cabling systems, modular connectivity solutions, and high-speed data transmission components—all engineered to enhance network efficiency, reduce latency, and ensure scalability for future technological advancements.

Global Manufacturing Excellence

Our products are manufactured across Italy, Taiwan, Turkey, and China, reflecting our commitment to quality and global reach. We leverage cutting-edge Italian technology and international manufacturing expertise to create solutions that meet the highest standards of performance and reliability. Every Carobben product undergoes rigorous quality control processes to ensure durability and compliance with international industry standards, making them ideal for even the most demanding operational environments.

Innovation and Quality at Our Core

Innovation is at the heart of what we do. Carobben`s Research & Development teams are dedicated to pushing the boundaries of networking technology, continuously exploring new ways to improve our products and meet the evolving needs of our customers. Our commitment to quality is unwavering—each product is crafted using the finest materials and the latest engineering techniques, ensuring long-term reliability in mission-critical applications.

Customer-Centric Approach

Understanding our customers` needs is paramount to our success. At Carobben, we pride ourselves on delivering tailored solutions that address the specific challenges faced by our clients, whether in enterprise networking or large-scale data centers. Our customer-centric approach ensures that we not only meet but exceed expectations, providing support at every stage of the project lifecycle.

A Vision for the Future

As we look ahead, Carobben remains committed to leading the way in networking and data center technology. Our vision is to continue driving innovation, delivering top-tier solutions that empower our clients to achieve their goals, and upholding the legacy of Italian craftsmanship and engineering excellence that defines our brand.

Why Choose Carobben?

Choosing Carobben means partnering with a brand that embodies precision, reliability, and innovation. With a proven track record and a passion for excellence, we are dedicated to providing networking and data center solutions that stand the test of time.

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Sinate Technology: A Technical Innovation in Cable Stability

In the realm of modern networking, the demand for high-frequency, reliable, and safe cable solutions has never been greater. Carobben's Category 6A+ cable meets and exceeds these demands, incorporating advanced engineering and exclusive technologies to ensure top-tier performance in even the most challenging environments.

Carobben Category 6A+ Cable: Redefining Network Stability and Performance

At the heart of Carobben's Category 6A+ cable is the proprietary Sinuate technology, a breakthrough in cable jacket design. Unlike conventional cables, where the internal pairs can shift or rotate during installation, the Sinuate jacket introduces a carefully engineered structure that actively locks the twisted pairs into a stable configuration. This is achieved through a unique, undulating pattern within the jacket, which grips the pairs in a precise, controlled manner. The primary function of the Sinuate design is to prevent axial and rotational movement of the pairs, which can occur during the pulling and bending processes typically encountered during installation. By maintaining the pairs' exact positions, Sinuate technology minimizes impedance variation and preserves the cable's electrical balance. This is crucial in reducing crosstalk and return loss, directly contributing to the cable's superior performance in Fluke testing and ensuring that it consistently meets or exceeds the headroom tolerance requirements specified by industry standards.

High-Frequency Operation: 680 MHz for Superior Data Transmission

Operating at a frequency of 680 MHz, Carobben's Category 6A+ cable is engineered for high-performance data transmission. This higher frequency capability, compared to the typical 500 MHz range of standard Category 6A+ cables, allows for increased bandwidth and improved signal integrity over longer distances. The result is a cable that can handle the most data-intensive applications, from high-definition video streaming to large-scale data center operations, without compromising on speed or reliability.

The enhanced frequency range also provides greater headroom, ensuring that the cable not only meets but exceeds the requirements for 10 Gigabit Ethernet and other high-speed network protocols. This makes Carobben's Category 6A+ cable a future-proof solution, capable of supporting emerging technologies and higher data rates as network demands continue to grow.

LSZH Construction: Safety and Compliance without Compromise

Beyond its technical performance, Carobben's Category 6A+ cable is also designed with safety in mind. The jacket is constructed from LSZH (Low Smoke Zero Halogen) materials, which are engineered to minimize the release of toxic fumes and smoke in the event of a fire. This makes the cable ideal for use in environments where safety is paramount, such as data centers, hospitals, and public buildings. The LSZH jacket not only meets stringent international safety standards but also provides additional protection against environmental factors, ensuring long-term durability and reliability in a wide range of installation scenarios.

Conclusion

Carobben's Category 6A+ cable represents the pinnacle of network cabling technology, combining the innovative Sinuate jacket design with high-frequency performance and safety-focused LSZH construction. Designed to meet the most demanding networking requirements, this cable delivers unmatched stability, superior data transmission, and enhanced safety. For professionals seeking a reliable and future-proof cabling solution, Carobben's Cat 6A+ cable is the definitive choice.

1

Innovative Network Cabling Options



Welcome to Carobben, the Italian brand synonymous with excellence and innovation in the realm of network cabling.

At Carobben, we are dedicated to providing a comprehensive range of high-quality copper network cables designed to meet the evolving needs of modern networking environments. With a focus on cutting-edge technology and superior craftsmanship, our products ensure reliable performance and robust connectivity for a variety of applications.

Our commitment to innovation is reflected in the meticulous design and engineering of our network cabling solutions. Whether you are setting up a small home network or managing a large-scale enterprise infrastructure, Carobben offers the perfect cabling solutions tailored to your specific requirements. Our product lineup includes everything from basic Ethernet cables to advanced shielded twisted pair (STP) cables, ensuring optimal data transmission and minimal interference.

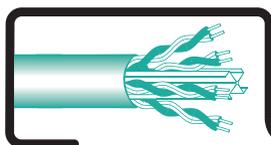
At Carobben, we understand that the foundation of any efficient network lies in the quality of its cabling. That's why we employ the latest manufacturing techniques and stringent quality control measures to produce cables that deliver exceptional performance, durability, and ease of installation. Our state-of-the-art factory is equipped with cutting-edge machinery and staffed by skilled technicians who are passionate about creating the best networking solutions on the market.

Our range of copper network cables includes various categories and configurations to suit diverse networking needs. From Cat5e and Cat6 to Cat6A and Cat7, our cables are designed to support high-speed data transfer and are ideal for a wide array of applications, including data centers, office environments, and residential setups. Each cable is meticulously tested to ensure it meets industry standards and exceeds customer expectations.

In addition to our extensive range of standard copper network cables, Carobben also offers custom cabling solutions. We work closely with our clients to develop bespoke cabling systems that address their unique networking challenges. Our expert team is always on hand to provide guidance and support, ensuring that you receive the best possible solution for your needs.

Innovation is at the heart of everything we do at Carobben. Our dedicated research and development team continuously explores new materials, technologies, and designs to keep us at the forefront of the industry. We are proud to offer products that not only meet but exceed the highest standards of performance, reliability, and innovation.

Choose Carobben for your network cabling needs and experience the difference that quality, innovation, and Italian craftsmanship can make. Explore our extensive range of copper network cables and discover the perfect solution for your networking infrastructure. With Carobben, you can be confident that you are investing in products that deliver superior performance and unparalleled reliability.



Innovative Network Cabling Options

1

1.1 CRBIC6AULA

Category 6A+ Cable , Sinuate Series , U/UTP , LSZH , 305m , Pull box , Pure Copper 23AWG , up to 680MHz

Introducing the Carobben Sinuate series Category 6A+ up to 680MHz network cable the pinnacle of performance and reliability for all your networking needs. Designed with advanced technology and superior materials, this cable is perfect for both professional and home network setups. High speed performance

1.2 CRBIC6ASFLA

Category 6A+ Cable , Pro Shield Series , S/FTP , LSZH , 500m , Reel Box , Pure Copper 23AWG , up to 1.02GHz

Welcome to the cutting edge of network technology with the Carobben Pro shield series Category 6A+ up to 1.02GHz network cable. Designed for those who demand the best in connectivity and safety, this cable not only meets the highest performance standards but also prioritizes safety with its Low Smoke Zero

1.3 CRBOC6ASFLPB

Category 6A+ Cable , Pro Shield Series , S/FTP , Double Jacket LSZH+PE , 305m , Reel Box , up to 1.02GHz

Introducing the Carobben Category 6A+ double jacket outdoor Cable, designed for high-performance networking in demanding outdoor environments. This cable ensures reliable data transmission with exceptional durability, making it ideal for both commercial and industrial applications.....

1.4 CRBIC6ULFA

Category 6+ Cable , FDT Series , U/UTP , LSZH , 305m , Pull Box , Pure Copper 23AWG , up to 680MHz

Carobben's Cat.6+ U/UTP cables with FDT protection (Falciform Divider Technology) offer superior network performance and reliability. FDT's falciform dividers reduce crosstalk, ensuring excellent signal integrity and data transmission. The cables maintain stability over long distances and are future....

1.5 CRBIC6SFLFA

Category 6+ Cable , FDT Series , SF/UTP , LSZH , 500m , Reel Box , Pure Copper 23AWG , up to 1.02GHz

Carobben's Category 6+ SF/UTP cables with FDT (Falciform Divider Technology) offer superior interference protection, reliable data transmission, and high-speed performance up to 1.02GHz. With an LSZH jacket and durable construction, these cables ensure safety and longevity, making them a....

1.6 CRBOC6SFLPFAB

Category 6+ Cable , FDT Series , SF/UTP , Double Jacket LSZH+PE , 305m , Reel Box , up to 1.02GHz

Carobben's Category 6+ SF/UTP outdoor double jacket cables with FDT technology offer weatherproof durability and exceptional interference protection for reliable outdoor performance. With high-speed capabilities up to 1.02 GHz and an LSZH outer jacket, these cables are safe for public areas

1.7 CRBIEC6ULA

Category 6+ Cable , ECO Series , U/UTP , 305m , Reel Box , LSZH , Pure Copper 23AWG , up to 680MHz

Carobben's Cat.6+ U/UTP cable is a top-notch networking solution that guarantees reliable connectivity and data transmission. With its LSZH (Low Smoke Zero Halogen) jacket, the cable ensures safety by minimizing toxic emissions in the event of a fire. Operating at a frequency of 680MHz, this U/UTP cable

1.8 CRBIEC6SFLA

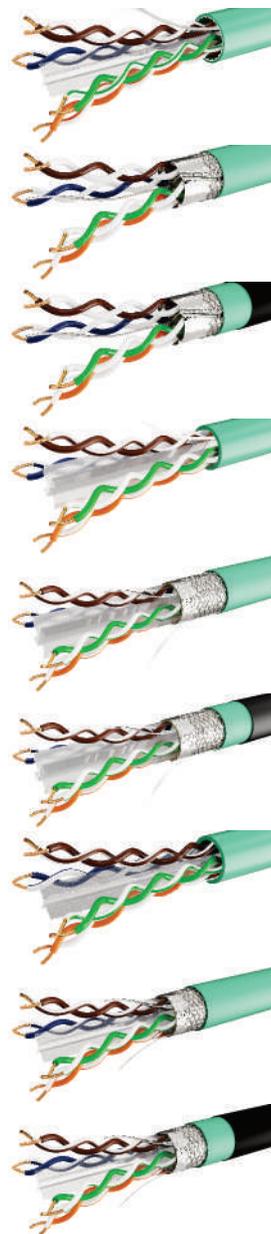
Category 6+ Cable , ECO Series , SF/UTP , 500m , Reel Box , LSZH , Pure Copper 23AWG , up to 1.02GHz

Carobben's Cat.6+ SF/UTP network cable is a high-performance solution designed to meet the demands of modern networking environments. With its LSZH (Low Smoke Zero Halogen) jacket, the cable ensures safety by minimizing toxic emissions in case of a fire. The Cat.6+ SF/UTP cable provides exceptional....

1.9 CRBOEC6SFLPB

Category 6+ Cable , ECO Series , SF/UTP , Double Jacket LSZH+PE , 305m , Reel Box , up to 1.02GHz

Carobben's Cat.6+ outdoor network cable with double jackets of LSZH (Low Smoke Zero Halogen) and PE is a premium solution for high performance data transmission in outdoor environments. The double jacket design ensures superior protection against environmental factors like moisture, UV rays, and....



1.1

Sinate Series Cable Category 6A+ U/UTP



Introducing the Carobben Sinate Series Cat 6A+ up to 680MHz network cable the pinnacle of performance and reliability for all your networking needs. Designed with advanced technology and superior materials, this cable is perfect for both professional and home network setups. High speed performance: With a frequency of up to 680MHz, this Category 6A+ cable ensures exceptional data transfer rates, making it ideal for high-bandwidth applications like streaming, gaming, and data centers. Innovative Sinate design: Inside the LSZH (Low Smoke Zero Halogen) jacket, the Sinate structure provides extra stability and reduces the risk of crosstalk, ensuring consistent and reliable performance. This unique design helps maintain the cable's shape and integrity even in demanding environments.



Sinate
Series

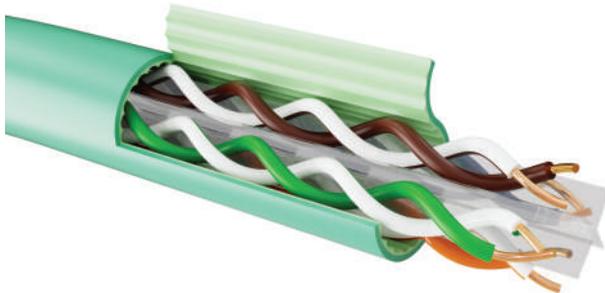


Order no.

CRBIC6AULA

Description

Category 6A+ Cable , U/UTP , LSZH , 305m , Pull box , Sinate Series , Pure Copper 23AWG , up to 680MHz



Sinate Jacket

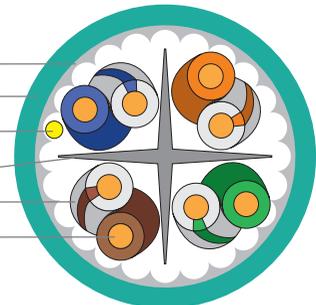
LSZH Jacket

Rip Cord

Divider

Insulation

Conductor



Application

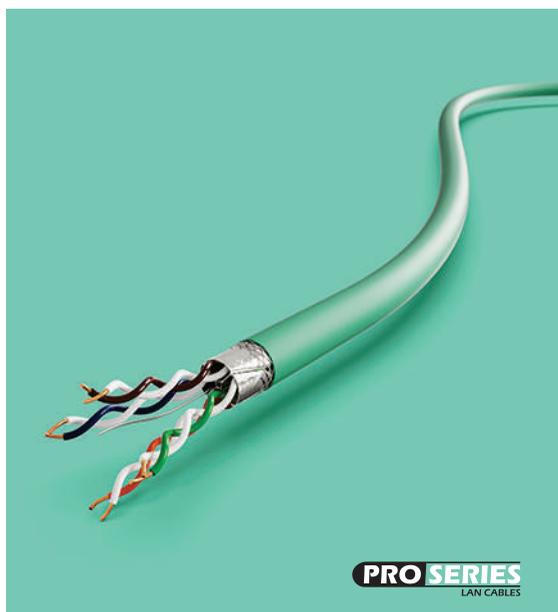
Conductor/Pair Count:	Category 6A+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	LSZH Aqua Color
Shielded:	U/UTP Unscreened Twisted Pair
Type:	Data
Packaging:	Pull Box
Length:	305m
Support:	up to 680MHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Category 6A+ U/UTP Solid Lan Cable

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. PSACRF [dB]	Min. Return Loss [dB]	Min. TCL [dB]	Min. PSANEXT [dB]	Min. PSAACRF [dB]
1	2.1 db/100m	75.3	73.2	79.8	20.0	40.0	75.0	77.0
4	3.8 db/100m	66.3	62.5	67.8	23.0	40.0	75.0	76.2
8	5.3 db/100m	61.8	56.5	61.7	24.5	40.0	75.0	70.1
10	5.9 db/100m	60.3	54.4	59.8	25.0	40.0	75.0	68.2
16	7.4 db/100m	57.2	49.8	55.7	25.0	38.0	75.0	64.1
20	8.3 db/100m	55.8	47.4	53.8	25.0	37.0	75.0	62.2
25	9.3 db/100m	54.3	45.0	51.8	24.3	36.0	75.0	60.2
31.25	10.4 db/100m	52.9	42.5	49.9	23.6	35.1	75.0	58.3
62.5	14.8 db/100m	48.4	33.6	43.9	21.5	32.0	73.6	52.3
100	18.9 db/100m	45.3	26.4	39.8	20.1	30.0	70.5	48.2
200	27.0 db/100m	40.8	13.8	33.8	18.9	27.0	66.0	42.2
250	30.4 db/100m	39.3	9.0	31.8	17.3	26.0	64.5	40.2
300	33.5 db/100m	38.1	4.6	30.3	16.8	25.2	63.3	38.7
350	36.3 db/100m	37.1	0.8	28.9	16.3	24.6	62.3	37.3
400	39.0 db/100m	36.3		27.8	15.9	24.0	61.5	36.2
450	41.5 db/100m	35.5		26.7	15.5	23.5	60.7	35.1
500	43.9 db/100m	34.8		25.8	15.2	23.0	60.0	34.2
550	46.2 db/100m	33.2		25.0	14.9		59.4	33.4
600	48.4 db/100m	32.6		24.2	14.7		58.8	32.6
625	49.5 db/100m	32.4		23.9	14.5		58.6	32.3
680	54.7 db/100m	32.2		22.3	14.0		57.4	30.7

Pro Shield Series Cable Category 6A+ S/FTP

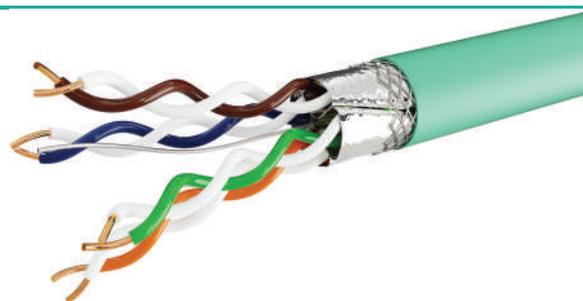
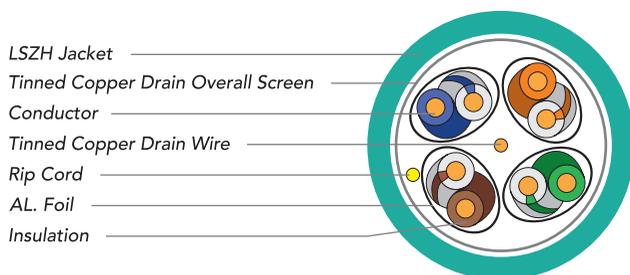
1.2



Welcome to the cutting edge of network technology with the Carobben Pro shield series Category 6A+ up to 1.02GHz network cable. Designed for those who demand the best in connectivity and safety, this cable not only meets the highest performance standards but also prioritizes safety with its Low Smoke Zero Halogen (LSZH) jacket. Discover why the Carobben Pro shield series is the perfect choice for your networking needs. This series of Carobben brand cable operates at frequencies up to 1.02GHz, far exceeding the standard Category 6A+ limit of 500MHz. This capability ensures superior signal quality and consistency, enabling data transmission speeds up to 10Gbps over longer distances. Whether you're running high-demand applications, streaming 4K content, or engaging in online gaming, this cable provides the bandwidth and reliability you need.



Order no.	Description
CRBIC6ASFLA	Category 6A+ Cable , S/FTP , Pro Shield Series , LSZH , 500m , Reel Box , Pure Copper 23AWG , up to 1.02GHz



Application	
Conductor/Pair Count:	Category 6A+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	LSZH Aqua Color
Shielded:	S/FTP - Screened / Foiled Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	500m
Support:	up to 1.02GHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Category 6A+ S/FTP Solid Lan Cable									
Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. ACRF [dB]	Min. PSACRF [dB]	Min. Return Loss [dB]	Min. PSANEXT [dB]	Min. PSAACRF [dB]	
1	2.1 db/100m	73.3	71.2	70.8	68.8	20.0	77.0	77.0	
4	3.8 db/100m	64.3	60.5	58.8	56.8	23.0	77.0	76.2	
8	5.3 db/100m	59.8	54.4	52.7	50.7	24.5	77.0	70.1	
10	5.9 db/100m	58.3	52.4	50.8	48.8	25.0	77.0	68.2	
16	7.5 db/100m	55.2	47.8	46.7	44.7	25.0	77.0	64.1	
20	8.4 db/100m	53.8	45.4	44.8	42.8	25.0	77.0	62.2	
25	9.4 db/100m	52.3	43.0	42.8	40.8	25.0	77.0	60.2	
31.25	10.5 db/100m	50.9	40.4	40.9	38.9	25.0	77.0	58.3	
62.5	15.0 db/100m	46.4	31.4	34.9	32.9	25.0	77.0	52.3	
100	19.1 db/100m	43.3	24.2	30.8	28.8	25.0	72.5	48.2	
200	27.6 db/100m	38.8	11.2	24.8	22.8	18.0	68.5	42.2	
250	31.1 db/100m	37.7	6.3	22.8	20.8	17.3	68.5	40.2	
300	34.3 db/100m	36.1	1.9	21.3	19.3	16.8	65.3	38.7	
350	37.2 db/100m	35.1	-2.1	19.9	17.9	16.3	64.3	37.3	
400	40.1 db/100m	34.3		18.8	16.8	15.9	63.5	36.2	
450	42.7 db/100m	33.5		17.7	15.7	15.5	62.7	35.1	
500	45.3 db/100m	32.8		16.8	14.8	15.2	62.4	34.2	
550	47.7 db/100m	32.2		14.9	14.0	14.9	62.0	34.0	
600	50.1 db/100m	31.6			13.2	14.7	61.8	33.6	
625	51.2 db/100m	31.4			12.9	14.5	61.6	33.3	
750	56.7 db/100m	30.2			11.3	14.0	60.4	31.7	
860	61.2 db/100m	29.3			10.1	13.6	59.5	30.5	

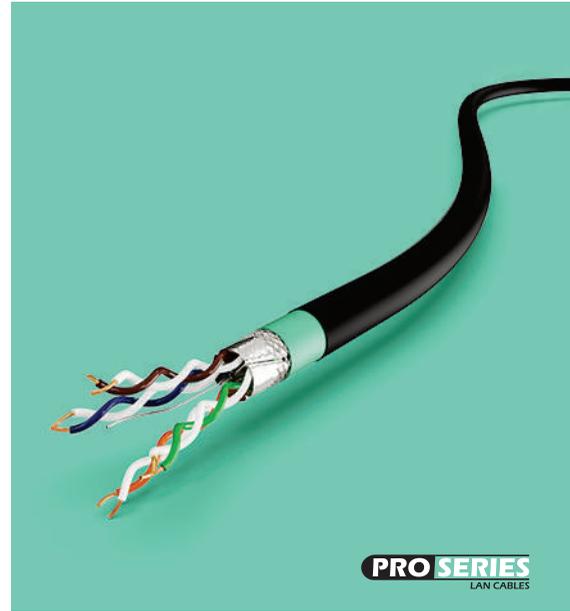
1.3

Pro Shield Series Cable Category 6A+ S/FTP Outdoor



Introducing the Carobben Category 6A+ double jacket outdoor Cable, designed for high performance networking in demanding outdoor environments.

This cable ensures reliable data transmission with exceptional durability, making it ideal for both commercial and industrial applications. Supporting a frequency of up to 1.02GHz, it facilitates high-speed data transfer for seamless network connectivity. The dual jacket design features an inner LSZH jacket for enhanced safety and an outer PE (Polyethylene) jacket for superior resistance to environmental elements like UV rays, moisture, and temperature fluctuations. Advanced shielding minimizes electromagnetic interference (EMI) and crosstalk, providing a stable and secure connection. Whether for a large-scale network setup or outdoor installations, the Carobben Category 6A+ double jacket outdoor cable is your go-to choice for high quality, resilient connectivity.



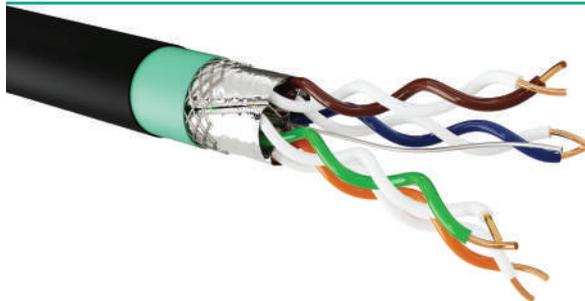
PRO SERIES LAN CABLES

Order no.

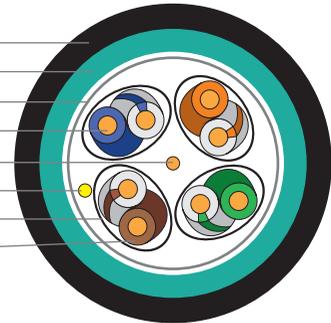
Description

CRBOC6ASFLPB

Category 6A+ Cable , S/FTP , Pro Shield Series , Double Jacket LSZH+PE , 305m , Reel Box , up to 1.02GHz



- PE Jacket
- LSZH Jacket
- Tinned Copper Drain Overall Screen
- Conductor
- Tinned Copper Drain Wire
- Rip Cord
- AL. Foil
- Insulation

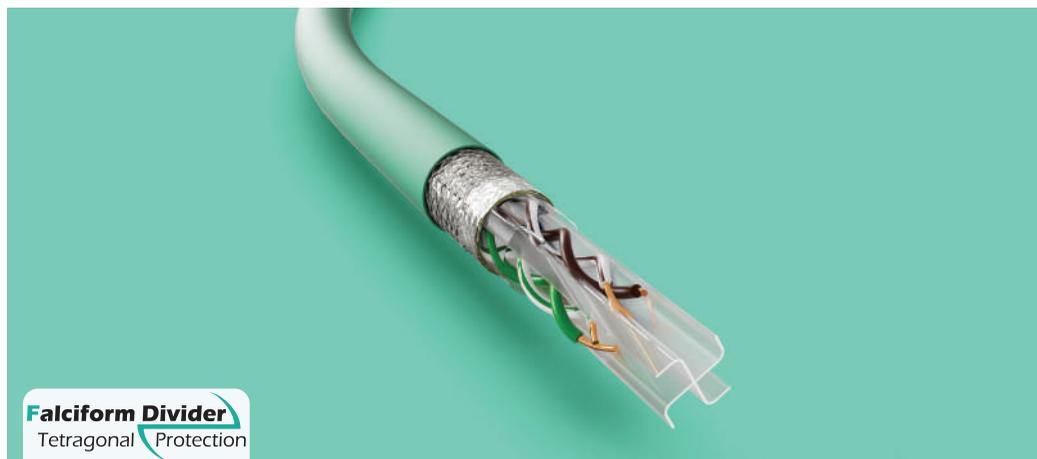


Application

Conductor/Pair Count:	Category 6A+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	Polyetilen (PE) Black & LSZH Aqua Color
Shielded:	S/FTP - Screened / Foiled Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	305m
Support:	up to 1.02GHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Category 6A+ S/FTP Solid Lan Cable

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. ACRF [dB]	Min. PSACRF [dB]	Min. Return Loss [dB]	Min. PSANEXT [dB]	Min. PSAACRF [dB]
1	2.1 db/100m	73.3	71.2	70.8	68.8	20.0	77.0	77.0
4	3.8 db/100m	64.3	60.5	58.8	56.8	23.0	77.0	76.2
8	5.3 db/100m	59.8	54.4	52.7	50.7	24.5	77.0	70.1
10	5.9 db/100m	58.3	52.4	50.8	48.8	25.0	77.0	68.2
16	7.5 db/100m	55.2	47.8	46.7	44.7	25.0	77.0	64.1
20	8.4 db/100m	53.8	45.4	44.8	42.8	25.0	77.0	62.2
25	9.4 db/100m	52.3	43.0	42.8	40.8	25.0	77.0	60.2
31.25	10.5 db/100m	50.9	40.4	40.9	38.9	25.0	77.0	58.3
62.5	15.0 db/100m	46.4	31.4	34.9	32.9	25.0	77.0	52.3
100	19.1 db/100m	43.3	24.2	30.8	28.8	25.0	72.5	48.2
200	27.6 db/100m	38.8	11.2	24.8	22.8	18.0	68.5	42.2
250	31.1 db/100m	37.7	6.3	22.8	20.8	17.3	68.5	40.2
300	34.3 db/100m	36.1	1.9	21.3	19.3	16.8	65.3	38.7
350	37.2 db/100m	35.1	-2.1	19.9	17.9	16.3	64.3	37.3
400	40.1 db/100m	34.3		18.8	16.8	15.9	63.5	36.2
450	42.7 db/100m	33.5		17.7	15.7	15.5	62.7	35.1
500	45.3 db/100m	32.8		16.8	14.8	15.2	62.0	34.2
550	47.7 db/100m	32.2		14.9	14.0	14.9	62.4	34.4
600	50.1 db/100m	31.6			13.2	14.7	61.8	33.6
625	51.2 db/100m	31.4			12.9	14.5	61.6	33.3
750	56.7 db/100m	30.2			11.3	14.0	60.4	31.7
860	61.2 db/100m	29.3			10.1	13.6	59.5	30.5



Superior Design with Falciform Divider Technology (FDT)

Unmatched Performance with Exclusive Falciform Divider Technology

In today's fast-paced digital world, reliable and high-performance networking infrastructure is essential for both businesses and home environments. Carobben, a leading name in networking solutions, proudly presents its latest innovation the Carobben Category 6+ network cable. Engineered with cutting-edge technology and superior materials, this cable sets a new standard in network performance and reliability.

Introducing Carobben Category 6+ Network Cable

At the heart of the Carobben Category 6+ cable lies our exclusive Falciform Divider Technology (FDT). Unlike traditional cable designs, the Falciform divider completely envelops each pair of wires, ensuring that all pairs are meticulously fixed and covered. This unique design offers several key advantages:

Enhanced Stability: The Falciform divider maintains the integrity of each wire pair, preventing movement and minimizing interference during installation and operation.

Increased Safety: By fully covering the pairs, FDT provides an additional layer of protection against physical damage and environmental factors, ensuring a longer lifespan for the cable.

Simplified Cabling: The stable and secure structure of the cable makes it easier to handle and install, reducing the risk of errors and improving overall efficiency during deployment.

Unmatched Frequency Performance: Carobben Category 6+ cables are engineered to support frequencies up to an impressive 680MHz, significantly surpassing standard CAT6 cables which typically operate up to 250MHz. This elevated frequency capability translates to:

Faster Data Transmission: Higher frequencies allow for quicker data transfer rates, making Carobben Category 6+ cables ideal for bandwidth-intensive applications such as streaming, gaming, and large-scale data transfers.

Future-Proofing: With increasing demands for higher speeds and more reliable connections, the Carobben Category 6+ ensures your network infrastructure remains robust and capable of handling future technological advancements.

Exclusive Technology for Carobben

Falciform Divider Technology is a proprietary innovation exclusive to the Carobben brand. This exclusivity underscores our commitment to delivering unique and superior networking solutions that stand out in the market. By choosing Carobben you are investing in a product that incorporates advanced engineering and exclusive features not available from other manufacturers.

Conclusion

The Carobben Category 6+ network cable is more than just a cable; it's a testament to Carobben's dedication to advancing networking technology. With exclusive Falciform Divider Technology, exceptional frequency performance, and robust construction, this cable is designed to deliver unparalleled performance and reliability. Whether you're upgrading your home network or deploying enterprise-level infrastructure, Carobben Category 6+ is the smart choice for superior connectivity.

Discover the difference with Carobben Category 6+ where innovation meets performance.

For more information, visit Carobben's website or contact our sales team to learn how Carobben Category 6+ can enhance your network infrastructure.

1.4

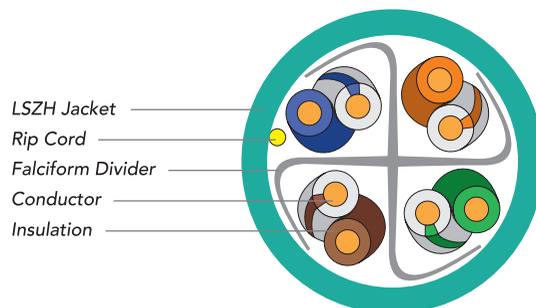
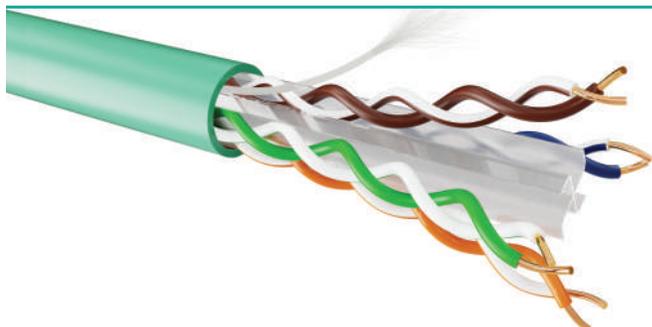
FDT Series Cable Category 6+ U/UTP



Carobben`s Cat,6+ U/UTP cables with FDT protection (Falciform Divider Technology) offer superior network performance and reliability. FDT`s falciform dividers reduce crosstalk, ensuring excellent signal integrity and data transmission. The cables maintain stability over long distances and are future-proofed for upcoming technologies. Enjoy reliable connectivity and versatility with Carobben`s Category 6+ U/UTP cables featuring FDT technology. They are manufactured and tested to the latest Category6+ specifications defined in the International and American cable standards and are designed to meet the quality and performance criteria needed to support all applications up to 680MHz.



Order no.	Description
CRBIC6ULFA	Category 6+ Cable , U/UTP , LSZH , 305m , Pull Box , FDT Series , Pure Copper 23AWG , up to 680MHz

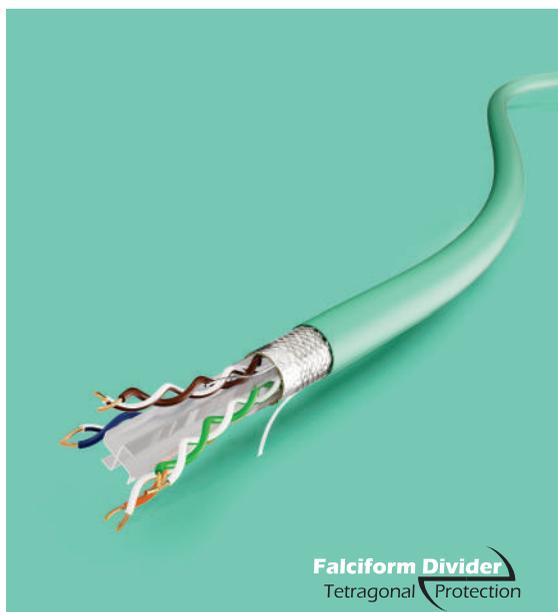


Application	
Conductor/Pair Count:	Category 6+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	LSZH Aqua Color
Shielded:	U/UTP Unscreened Twisted Pair
Type:	Data
Packaging:	Pull Box
Length:	305m
Support:	up to 680MHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Category 6+ U/UTP Solid Lan Cable								
Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF [dB]	Min. PSACRF [dB]	Min. Return Loss [dB]
1	2.0 db/100m	84.3	82.3	80.3	80.3	76.8	73.8	20.0
4	3.7 db/100m	75.3	69.5	69.5	69.5	64.8	61.8	23.6
8	5.3 db/100m	70.8	68.8	63.5	63.5	58.7	55.7	25.3
10	5.9 db/100m	69.3	67.3	61.4	61.4	56.8	53.8	26.0
16	7.4 db/100m	66.2	64.2	56.8	56.8	52.7	49.7	26.0
20	8.3 db/100m	64.8	62.8	54.4	54.4	50.8	47.8	26.0
25	9.4 db/100m	63.3	61.3	52.0	52.0	48.8	45.8	25.5
31.25	10.5 db/100m	61.9	59.9	49.4	49.4	46.9	43.9	25.0
62.5	15.1 db/100m	57.4	55.4	40.3	40.3	40.9	37.9	23.5
100	19.3 db/100m	54.3	52.3	33.0	33.0	36.8	33.8	22.5
155	24.5 db/100m	51.4	49.4	24.9	24.9	33.0	30.0	21.6
200	28.2 db/100m	49.8	47.8	19.6	19.6	30.8	27.8	21.0
250	31.8 db/100m	48.3	46.3	14.5	14.5	28.8	25.8	20.5
300	35.2 db/100m	47.1	45.1	9.9	9.9	27.3	24.3	20.1
350	38.4 db/100m	46.1	44.1	5.7	5.7	25.9	22.9	19.8
400	41.5 db/100m	45.3	43.3	1.8	1.8	24.8	21.8	19.5
450	44.3 db/100m	44.5	42.5			23.7	20.7	19.2
500	47.1 db/100m	43.8	41.8			22.8	19.8	19.0
550	49.7 db/100m	43.2	41.2			22.0	19.0	18.8
600	52.3 db/100m	42.6	40.6			21.2	18.2	18.7
650	54.8 db/100m	42.1	40.1			20.5	17.5	18.5

FDT Series Cable Category 6+ SF/UTP

1.5

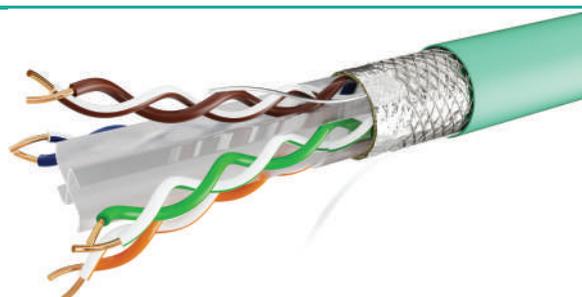
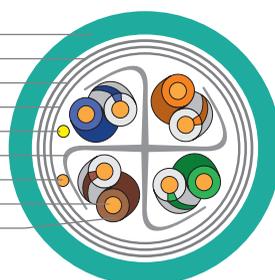


Carobben`s Cat.6+ SF/UTP cables with FDT (Falciform Divider Technology) offer superior interference protection, reliable data transmission, and high-speed performance up to 1.02 GHz. With an LSZH jacket and durable construction, these cables ensure safety and longevity, making them a versatile and dependable networking solution. Trust Carobben for seamless connectivity and exceptional data integrity. Enjoy reliable connectivity and versatility with Carobben`s Category 6+ SF/UTP cables featuring FDT technology. They are manufactured and tested to the latest Category 6+ specifications defined in the International and American cable standards.



Order no.	Description
CRBIC6SFLFA	Category 6+ Cable , SF/UTP , LSZH , 500m , Reel Box , FDT Series , Pure Copper 23AWG , up to 1.02GHz

- LSZH Jacket
- Tinned Copper Drain Overall Screen
- AL. Foil
- Clear Mylar Foil
- Rip Cord
- Falciform Divider
- Tinned Copper Drain Overall
- Conductor
- Insulation



Application	
Conductor/Pair Count:	Category 6+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	LSZH Aqua Color
Shielded:	SF/UTP - Screened & Foiled/ Unscreened Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	500m
Support:	up to 1.02GHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Category 6+ SF/UTP Solid Lan Cable								
Frequency [MHz]	Max. Insertion Loss [Attenuation]	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF [dB]	Min. PSACRF [dB]	Min. Return Loss [dB]
0.772	1.8 db/100m	77.0	77.0	75.2	76.2	73.0	70.0	19.4
1	2.0 db/100m	75.3	75.3	73.3	74.3	70.8	67.8	20.0
4	3.7 db/100m	66.3	66.3	62.6	63.6	58.8	55.8	23.0
8	5.2 db/100m	61.8	61.8	56.6	57.6	52.7	49.7	24.5
10	5.8 db/100m	60.3	60.3	54.5	55.5	50.8	47.8	25.0
16	7.4 db/100m	57.2	57.2	49.9	50.9	46.7	43.7	25.0
20	8.3 db/100m	55.8	55.8	47.5	48.5	44.8	41.8	25.0
25	9.3 db/100m	54.3	54.3	45.1	46.1	42.8	39.8	24.3
31.25	10.4 db/100m	52.9	52.9	42.5	43.5	40.9	37.9	23.6
62.5	15.0 db/100m	48.4	48.4	33.4	34.4	34.9	31.9	21.5
100	19.3 db/100m	45.3	45.3	26.0	27.0	30.8	27.8	20.1
155	24.6 db/100m	42.4	42.4	17.9	18.9	27.0	24.0	19.5
200	28.3 db/100m	40.8	40.8	12.5	13.5	24.8	21.8	18.7
250	32.1 db/100m	39.3	39.3	7.2	8.2	22.8	19.8	18.0
300	35.6 db/100m	38.1	36.1	2.5	1.5	21.3	18.3	17.5
350	38.9 db/100m	37.1	35.1			19.9	16.9	17.0
400	42.0 db/100m	36.3	34.3			18.8	15.8	16.6
450	45.0 db/100m	35.5	33.5			17.7	14.7	16.2
500	47.9 db/100m	34.8	32.8			16.8	13.8	15.9
550	50.6 db/100m	34.2	32.2			16.0	13.0	15.6

1.6

FDT Series Cable Category 6+ SF/UTP Outdoor



Carobben`s Category 6+ SF/UTP outdoor double jacket cables with FDT technology offer weatherproof durability and exceptional interference protection for reliable outdoor performance. With high-speed capabilities up to 1.02 GHz and an LSZH outer jacket, these cables are safe for public areas. Trust Carobben for seamless outdoor connectivity and data integrity. Carobben`s Category 6+ SF/UTP 4 pair CM 23AWG solid cable is triple shielded, UV earth and weather proof. Four color-striped pairs make it easy to install and reduces alien crosstalk. This Category 6+ outdoor cable can be measured and cut to exact distances, then terminated to a RJ 45 connectors, jack or patch panel. The cable has increased performance on transmission of high special data, digital and analogue voice and video (RGB) signals on LANs.



Order no.

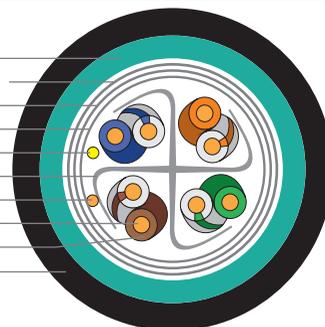
CRBOC6SFLPFAB

Description

Category 6+ Cable , SF/UTP , Double Jacket LSZH+PE , 305m , Reel Box , FDT Series , up to 1.02GHz



- LSZH Jacket
- Tinned Copper Drain Overall Screen
- AL. Foil
- Clear Mylar Foil
- Rip Cord
- Falciform Divider
- Tinned Copper Drain Overall
- Conductor
- Insulation
- PE Jacket



Application

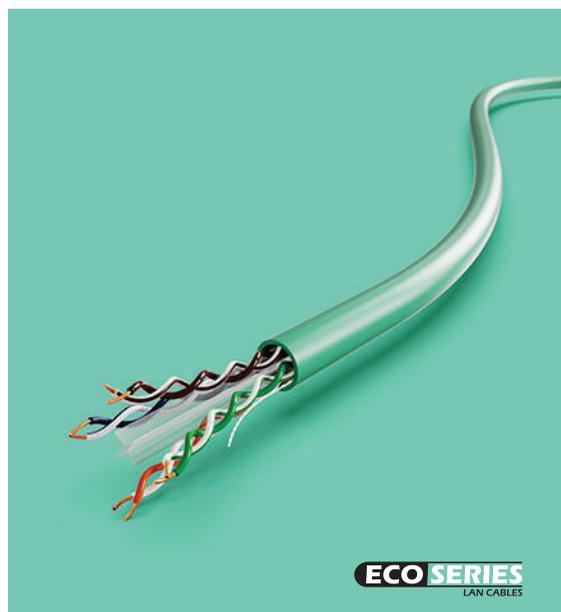
Conductor/Pair Count:	Category 6+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	Polyetilen (PE) Black & LSZH Aqua Color
Shielded:	SF/UTP - Screened & Foiled/ Unscreened Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	305m
Support:	up to 1.02GHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Category 6+ SF/UTP Solid Lan Cable

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF [dB]	Min. PSACRF [dB]	Min. Return Loss [dB]
0.772	1.8 db/100m	77.0	77.0	75.2	76.2	73.0	70.0	19.4
1	2.0 db/100m	75.3	75.3	73.3	74.3	70.8	67.8	20.0
4	3.7 db/100m	66.3	66.3	62.6	63.6	58.8	55.8	23.0
8	5.2 db/100m	61.8	61.8	56.6	57.6	52.7	49.7	24.5
10	5.8 db/100m	60.3	60.3	54.5	55.5	50.8	47.8	25.0
16	7.4 db/100m	57.2	57.2	49.9	50.9	46.7	43.7	25.0
20	8.3 db/100m	55.8	55.8	47.5	48.5	44.8	41.8	25.0
25	9.3 db/100m	54.3	54.3	45.1	46.1	42.8	39.8	24.3
31.25	10.4 db/100m	52.9	52.9	42.5	43.5	40.9	37.9	23.6
62.5	15.0 db/100m	48.4	48.4	33.4	34.4	34.9	31.9	21.5
100	19.3 db/100m	45.3	45.3	26.0	27.0	30.8	27.8	20.1
155	24.6 db/100m	42.4	42.4	17.9	18.9	27.0	24.0	19.5
200	28.3 db/100m	40.8	40.8	12.5	13.5	24.8	21.8	18.7
250	32.1 db/100m	39.3	39.3	7.2	8.2	22.8	19.8	18.0
300	35.6 db/100m	38.1	36.1	2.5	1.5	21.3	18.3	17.5
350	38.9 db/100m	37.1	35.1			19.9	16.9	17.0
400	42.0 db/100m	36.3	34.3			18.8	15.8	16.6
450	45.0 db/100m	35.5	33.5			17.7	14.7	16.2
500	47.9 db/100m	34.8	32.8			16.8	13.8	15.9
550	50.6 db/100m	34.2	32.2			16.0	13	15.6

ECO Series Cable Category 6+ U/UTP

1.7



Carobben's Category 6+ U/UTP cable is a top-notch networking solution that guarantees reliable connectivity and data transmission. With its LSZH (Low Smoke Zero Halogen) jacket, the cable ensures safety by minimizing toxic emissions in the event of a fire. Operating at a frequency of 680MHz, this U/UTP cable delivers impressive bandwidth, making it suitable for various networking applications, including high speed data transfer, video streaming, and VoIP communications.

The LSZH jacket also adds to the cable's durability and flexibility, allowing for easy installation and use in both indoor and outdoor environments. With Carobben's U/UTP cable, users can expect excellent performance and peace of mind, knowing that their network is efficiently protected and compliant with safety standards.

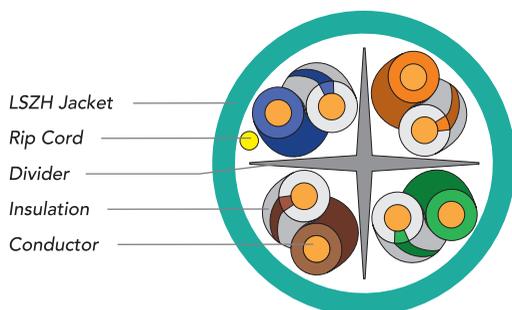


Order no.

CRBIEC6ULA

Description

Category 6+ Cable , U/UTP , LSZH , 305m , Reel Box , ECO Series , Pure Copper 23AWG , up to 680MHz



Application

Conductor/Pair Count:	Category 6+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	LSZH Aqua Color
Shielded:	U/UTP Unscreened Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	305m
Support:	up to 680MHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Mechanical & Electrical Properties

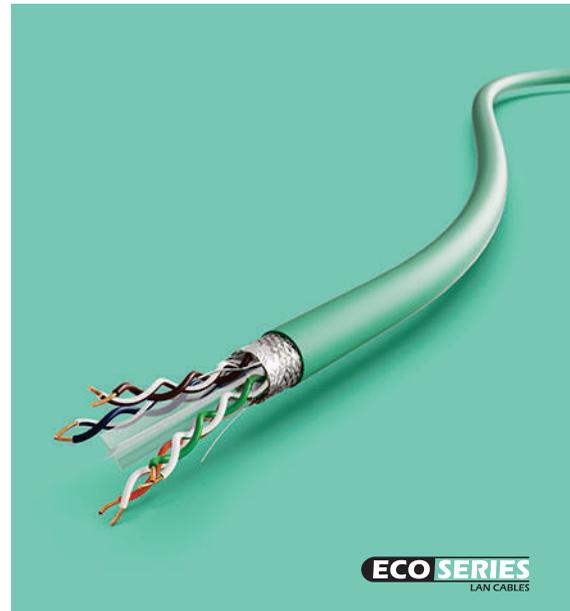
Central Separator:	PE Cross Separator
Insulation:	High Density Polyethylene
Solid Pairs:	4 Pairs Twisted together
Cable Diameter:	5.8 ± 0.5 mm
Bending Radius:	4 x OD at 20°C
Pulling Force:	25 lbs
Operating Temperature:	(-20°C to +60°C)
Installation Temperature:	(0°C to +50°C)
Conductor Resistance:	9.2 Ω/100 Mtr max
Mutual Capacitance:	5.6 nF for 100 Mtr
Resistance Unbalance (%):	max 5
Capacitance Unbalance:	330 pF for 100 Mtr
Delay Skew:	48 ns/100 Mtr
Propagation Delay:	< 538 ns/100 Mtr
Current Rating:	max 1.5 A
Insulation Resistance:	100 mΩ
NVP:	69%

1.8

ECO Series Cable Category 6+ SF/UTP



Carobben's Cat.6+ SF/UTP network cable is a high performance solution designed to meet the demands of modern networking environments. With its LSZH (Low Smoke Zero Halogen) jacket, the cable ensures safety by minimizing toxic emissions in case of a fire. The Cat.6+ SF/UTP cable provides exceptional shielding and protection against interference, making it ideal for critical data transmissions. Operating at frequencies of up to 1.02 GHz, this cable delivers superior bandwidth and performance, enabling seamless data transfer and reliable connectivity. Whether used in residential, commercial, or industrial settings, Carobben's Cat.6+ SF/UTP network cable guarantees a reliable and efficient networking experience.

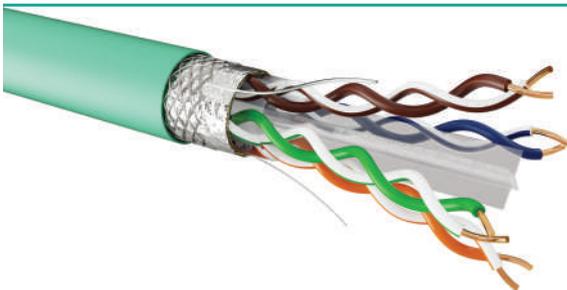


Order no.

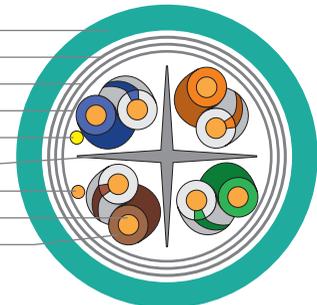
CRBIEC6SFLA

Description

Category 6+ Cable , SF/UTP , LSZH , 500m , Reel Box , ECO Series , Pure Copper 23AWG , up to 1.02GHz



LSZH Jacket
 Tinned Copper Drain Overall Screen
 AL. Foil
 Clear Mylar Foil
 Rip Cord
 Divider
 Tinned Copper Drain Overall
 Conductor
 Insulation



Application

Conductor/Pair Count:	Category 6+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	LSZH Aqua Color
Shielded:	SF/UTP - Screened & Foiled/ Unscreened Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	500m
Support:	up to 1.02GHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Mechanical & Electrical Properties

Central Separator:	PE Cross Separator
Insulation:	High Density Polyethylene
Solid Pairs:	4 Pairs Twisted together
Cable Diameter:	5.8 ± 0.5 mm
Bending Radius:	4 x OD at 20°C
Pulling Force:	25 lbs
Operating Temperature:	(-20°C to +60°C)
Installation Temperature:	(0°C to +50°C)
Conductor Resistance:	9.2 Ω/100 Mtr max
Mutual Capacitance:	5.6 nF for 100 Mtr
Resistance Unbalance (%):	max 5
Capacitance Unbalance:	330 pF for 100 Mtr
Delay Skew:	48 ns/100 Mtr
Propagation Delay:	< 538 ns/100 Mtr
Current Rating:	max 1.5 A
Insulation Resistance:	100 mΩ
NVP:	70%

ECO Series Cable Category 6+ SF/UTP Outdoor

1.9



Carobben`s Category 6+ outdoor network cable with double jackets of LSZH (Low Smoke Zero Halogen) and PE is a premium solution for high performance data transmission in outdoor environments. The double jacket design ensures superior protection against environmental factors like moisture, UV rays, and extreme temperatures, making it highly durable and reliable in harsh conditions.

With Category 6+ specification, this cable supports gigabit Ethernet speeds and offers excellent bandwidth for smooth and fast data transfer. The LSZH material ensures low smoke emission and minimal toxic fumes in case of fire, making it a safe choice for installations in public areas. Designed for versatility and efficiency, Carobben`s outdoor Category 6+ cable is an ideal choice for robust and secure network connectivity in various outdoor applications.

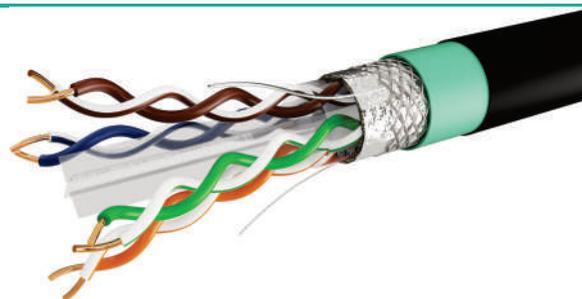
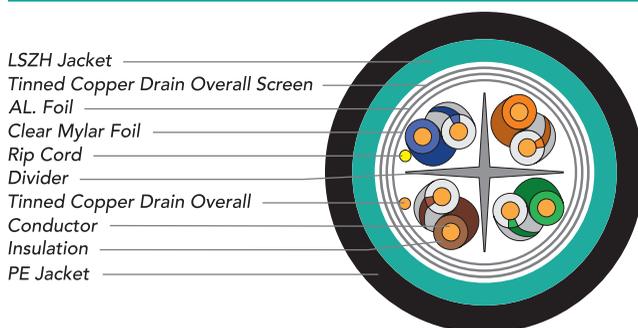


Order no.

CRBOEC6SFLPB

Description

Category 6+ Cable , SF/UTP , Double Jacket LSZH+PE , 305m , Reel Box , ECO Series , up to 1.02GHz



Application

Conductor/Pair Count:	Category 6+ , 4 Pair
Conductor Size:	23 AWG (American Wire Gauge)
Conductor Type:	Solid
Fire Rating:	Low Smoke Zero Halogen (LSZH)
Jacket Type:	Polytilen (PE) Black & LSZH Aqua Color
Shielded:	SF/UTP - Screened & Foiled/ Unscreened Twisted Pair
Type:	Data
Packaging:	Reel Box
Length:	305m
Support:	up to 1.02GHz
Pair Number 1 – 2:	White-Orange Strip and Orange
Pair Number 3 – 4:	White-Green Strip and Green
Pair Number 5 – 6:	White-Blue Strip and Blue
Pair Number 7 – 8:	White-Brown Strip and Brown

Mechanical & Electrical Properties

Central Separator:	PE Cross Separator
Insulation:	High Density Polyethylene
Solid Pairs:	4 Pairs Twisted together
Cable Diameter:	5.8 ± 0.5 mm
Bending Radius:	4 x OD at 20°C
Pulling Force:	25 lbs
Operating Temperature:	(-30°C to +80°C)
Installation Temperature:	(0°C to +50°C)
Conductor Resistance:	9.2 Ω/100 Mtr max
Mutual Capacitance:	5.6 nF for 100 Mtr
Resistance Unbalance (%):	max 5
Capacitance Unbalance:	330 pF for 100 Mtr
Delay Skew:	48 ns/100 Mtr
Propagation Delay:	< 538 ns/100 Mtr
Current Rating:	max 1.5 A
Insulation Resistance:	100 mΩ
NVP:	70%

2

Modular Keystone Jacks and Inserts



Introducing Carobben`s range of modular keystone jacks and inserts, designed to provide unparalleled flexibility, efficiency, and performance for your networking infrastructure. As an Italian brand committed to excellence and innovation, Carobben offers a comprehensive selection of high-quality keystone solutions that cater to the diverse needs of modern networking environments.

Our modular keystone jacks and inserts are engineered to support a wide array of applications, from small office networks to large-scale data centers. With Carobben, you can be assured of products that combine advanced technology with superior craftsmanship, ensuring reliable connectivity and ease of use.

At Carobben, we understand that every network setup is unique. That`s why our modular keystone jacks and inserts are designed to offer maximum flexibility and customization. Whether you need to set up a new network or upgrade an existing one, our keystone solutions can be easily integrated into various wall plates, patch panels, and surface mount boxes, allowing you to create a tailored networking environment that meets your specific requirements.

Our keystone jacks and inserts are crafted using the highest quality materials and undergo rigorous testing to ensure they meet and exceed industry standards. With Carobben`s keystone solutions, you can expect superior performance, minimal signal loss, and enhanced durability. Our products are designed to support high-speed data transmission, making them ideal for demanding applications such as high-definition video streaming, VoIP, and large file transfers.

Ease of installation is a hallmark of Carobben`s keystone jacks and inserts. Our innovative, tool-free designs simplify the installation process, saving you time and effort. Whether you are a seasoned professional or a DIY enthusiast, you will appreciate the convenience and efficiency of our user-friendly products. Simply snap the keystone jacks into place, and your network is ready to go.

Carobben offers a diverse range of keystone jacks and inserts to suit various networking needs. Our product lineup includes unshielded and shielded options, Cat5e, Cat6, Cat6A, and Cat7 compatible jacks, as well as specialized connectors for fiber optic and coaxial cables. Each product is meticulously designed to ensure compatibility and optimal performance in any network setup.

At Carobben innovation and excellence drive everything we do. Our dedicated research and development team continuously explores new materials, technologies, and designs to ensure our products remain at the cutting edge of the industry. We take pride in offering keystone solutions that not only meet but exceed our customers` expectations.

When you choose Carobben`s modular keystone jacks and inserts, you are investing in products that deliver exceptional quality, reliability, and performance. Our commitment to innovation, coupled with our Italian craftsmanship, ensures that you receive the best networking solutions available. Explore our extensive range of keystone products and discover how Carobben can enhance your network infrastructure.



Modular Keystone Jacks and Inserts

2

2.1 CRBK6/6AUTL10

Category 6+/6A , Unshielded Keystone Jack , Toolless and easy confirm the connection , TL10 Series

CAROB BEN Category 6+/6A unshielded keystone jacks are built with German-engineered PCB for superior signal quality and durability. Fully compliant with IEC 60603-7-41 and ISO/IEC 11801, they support 10GBASE-T and deliver excellent Fluke test results. The compact, tool-free design



2.2 CRBK6/6AU6005BWA

Category 6+/6A , UTP Keystone Jack , Rotary punch system Series , Toolless and easy confirm the connection

Carobben Category 6+/6A unshielded rotary series keystone jacks are designed and manufactured to meet and exceed the current and future requirements for high bandwidth and forms an essential element of the structured cabling system. The keystone jacks are highly reliable and offers optimal....



2.3 CRBK6/6AU300

Category 6+/6A , Unshielded Keystone Jack , Toolless and Super Easy to Install Series

Carobben Category 6+/6A unshielded 180 degrees toolless modular keystone jacks. High quality PC material shell and PC material housing is light and easy to install. Using phosphor bronze continuous gold-plating process, strong hardness, firm wiring, can be reused many times (more than 750 times RJ-45 plug-in tests)



2.4 CRBK6/6AU1901WR

Category 6+/6A , Unshielded Keystone Jack , Compact Series , Toolless and easy confirm the connection

Carobben Category 6+/6A unshielded (UTP) toolless RJ-45 keystone jacks exceed the transmission line performance requirements of IEC and TIA for CLASS-EA Cat.6+/6A systems. Their compact design has been engineered to optimize density in high performance applications such as



2.5 CRBK6/6ASTL10

Category 6+/6A , Full Shielded Keystone Jack , Toolless and easy confirm the connection , TL10 Series

Carobben Category 6+/6A Keystone Jack is a premium-quality network component, designed for high-performance data transmission in demanding environments. Manufactured with advanced German technology, this keystone jack features a PCB board that is engineered and produced in Germany....



2.6 CRBK6/6AS832

Category 6+/6A , Full Shielded Keystone Jack , Pro Shield Series , Toolless and easy confirm the connection

Carobben Category 6+/6A STP keystone self-clamping module for computer sockets and patch panels is used when connecting shielded twisted pair cables to an RJ45 form factor connector. The twisted pair connection occurs according to the T568A or T568B color schemes. On the front side there is an 8-pin....



2.7 CRBK6/6ASNF325BWS

Category 6+/6A , Full Shielded Keystone Jack , Armor Series , Toolless and easy confirm the connection

Carobben Category 6+/6A toolless screened modular keystone jack features a die-cast housing. Innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by class EA standard. Patented PCB route & unique contact alignment provides excellent works in easing



2.8 CRBK6/6AS800

Category 6+/6A , Full Shielded Keystone Jack , Toolless and Super Easy to Install Series

Carobben Category 6+/6A shielded toolless STP module 180° Keystone Jack metal shell shielding interference. The zinc alloy shell ensures that the internal cables are not interfered by the outside world. High strength and quality materials using phosphor bronze continuous gold-plating process, strong



2.9 CRBK6/6ASKN220AS

Category 6+/6A , Full Shielded Keystone Jack , Armor Series , Toolless and easy confirm the connection

Carobben Category 6+/6A toolless screened modular keystone jack features a die-cast housing. Innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by class EA standard. Patented PCB route & unique contact alignment provides excellent works in easing



2.10 CRBK11D3051B

Category.3 , RJ-11 Keystone Jack , Toolless and easy confirm the connection , Black color

Carobben Cat.3 jacks are designed for exceptional performance. Because keystone jacks are an important part of any network, Carobben Cat.3 jacks meets and exceeds industry standards. Most commonly used for voice and data applications, cat.3 phone jacks deliver excellent performance providing....



2.1

TL10 Series UTP Keystone Jack (Superior Headroom)



CAROBLEN Cat6A unshielded keystone jacks are built with German-engineered PCB for superior signal quality and durability. Fully compliant with IEC 60603-7-41 and ISO/IEC 11801, they support 10GBASE-T and deliver excellent Fluke test results. The compact, tool-free design allows up to 48 ports per 1U using CAROBLEN patch panels, making them ideal for high-density environments like data centers. Compatible with all keystone-style face plates and floor boxes. This toolless keystone jack requires no punch down tool to install. Easy installation instructions to follow simplify your work and increase your efficiency.

**Order no.**

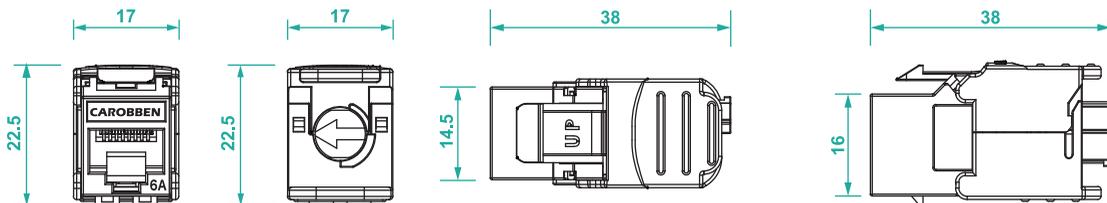
CRBK6AUTL10

Description

Category 6A , Unshielded Keystone Jack , Toolless and easy confirm the connection , TL10 Series

CRBK6UTL10

Category 6+ , Unshielded Keystone Jack , Toolless and easy confirm the connection , TL10 Series

**Application**

- Easy and fast tool free termination
- Patented PCB circuit forms a mutually corresponding capacitive for cross talk cancellation
- Suitable for modular screened patch panel installation
- Easy to wire and toolless installation
- Support application with PoE, IEEE 802.3bt PoE++ Type 4
- Support Class EA Category6+ /6A standards networks
- Universal color-coding according to T568A and T568B
- Compatible with a wide range of international face plates
- Press-Fit Module, Without solder, RoHS Compliant

Material

- Stamp Pin 0.35mm, Phosphor Bronze Gold over Nickel Plating
- IDC Conductor : 0.5mm Phosphor Bronze, Tin-plating
- Jack Contact Life : Min. 750 Insertions
- Termination : 180° Termination

Electrical Data

- Contact Resistance: 20 MΩ
- DC Resistance: 0.1 Ω
- Insulation Resistance: 500 MΩ
- Rating: 1.5 Amps
- Voltage rating: 60V



Rotary Series UTP Keystone Jack

2.2



Carobben Category 6+/6A unshielded rotary series UTP keystone jacks are designed and manufactured to meet and exceed the current and future requirements for high bandwidth and forms an essential element of the structured cabling system. The keystone jacks are highly reliable and offers optimal network performance. The jack forms part of the faceplate as well as part of the modular patch panel. Clear wire retaining caps are supplied which provide additional cable strain relief. The keystone jacks are color coded for both 568A and 568B standards. The toolless connectivity, suitable for RJ-45 plugs; integrated protection against damage of contacts by means of automatic defined release of connection.



Order no.

CRBK6AU6005BWA

CRBK6U6005BWA

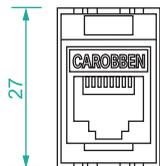
Description

Category 6A , Unshielded Keystone Jack , Toolless and easy confirm the connection , Rotary punch system Series

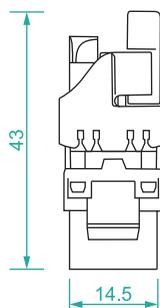
Category 6+ , Unshielded Keystone Jack , Toolless and easy confirm the connection , Rotary punch system Series



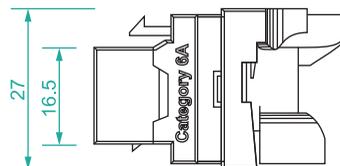
17



27
17



43
14.5



27
16.5
43

Application

Insulation displacement connector, cable fixing with rotating button

50μ gold plating on the jack contacts for durability and a long lifespan

Suitable for round cable AWG 22-26

Diameter: 7,5mm

Easy to wire and toolless installation

Universal color-coding according to T568A and T568B

Amendment 1 to ISO/IEC 11801, 2nd Ed.

Compatible with a wide range of international faceplates

Material

Housing: UL 94 V0 High impact flame retardant plastic

Jack contacts: Phosphor bronze alloy plated

IDC contacts: Phosphor bronze with 100 micro-inch tin

Insertion/extraction is 750 cycles minimum

Electrical Data

Current rating: 1.5Amps

DC resistance: 200 mΩ max (per pin)

Contact resistance: 2.5 mΩ max (IDC) / 20 mΩ max (insert)

Insulation resistance: 500MΩ min (100V D.C)

Voltage rating: 60V



2.3

Super Easy Series UTP Keystone Jack



Carobben Category6+/6A unshielded 180 degrees toolless modular Keystone jacks. High quality PC material shell and PC material housing is light and easy to install. Using phosphor bronze continuous gold-plating process, strong hardness, firm wiring, can be reused many times (more than 750 times RJ45 plug-in tests).

Universal standard design, simple and convenient installation. Support T568A and T568B terminal wiring sequence, terminal compatible with 22-26AWG cable. Comply with ISO/IEC; TIA/EIA standard test, high speed and stable data transmission. The keystone jacks are highly reliable and offers optimal network performance. The jack forms part of the faceplate as well as part of the modular patch panel.

**Order no.**

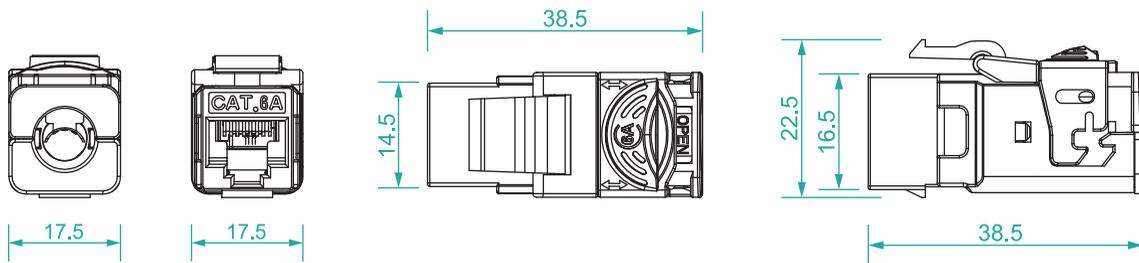
CRBK6AU300

Description

Category 6A , Unshielded Keystone Jack , Toolless and Super Easy to Install Series

CRBK6U300

Category 6+ , Unshielded Keystone Jack , Toolless and Super Easy to Install Series

**Application**

Category 6+/6A channel requirements of TIA/EIA-568-B2-10

Installation is very simple without the need for a punch down tool

750 mating cycles with FCC compliant RJ-45 plug

Phosphor bronze, 50 μ inch gold

Die-Cast Housing: Zinc alloys Zamac3, effective protection

Press-Fit Module, Without solder, RoHS compliant

Toolless design, requiring no impact tool

Amendment 1 to ISO/IEC 11801, 2nd Ed.

According UL 1863, FCC part 68, Subpart F

Electrical Data

Contact resistance:	20m Ω
Operating temperature:	-10~60 $^{\circ}$ C
Operating humidity:	10%~90%RH
Storage temperature:	-40 $^{\circ}$ C to 68 $^{\circ}$ C

Tool-Free Service

Experience seamless connectivity with our toolless network keystone, designed for quick and easy installation. Say goodbye to cumbersome tools simply snap in and enjoy reliable performance. Perfect for both home and office setups, ensuring a secure and efficient network. Elevate your networking with our innovative, hassle-free solution.



Super Easy Series UTP Keystone Jack

2.4



Carobben Category 6+/6A unshielded (UTP) toolless RJ-45 keystone jacks exceed the transmission line performance requirements of IEC and TIA for CLASS-EA Category6+/6A systems.

Their compact design has been engineered to optimize density in high performance applications such as Data Centers. Each Category6+/6A unshielded RJ-45 keystone jacks comply with IEC 60603-7-41 and support all applications designed for CLASS-EA networks, as defined within ISO/IEC 11801 and 1000BASE-T (Gigabit Ethernet). The low profile design allows this jack to fit in the Carobben 24 Port Patch Panel resulting in a maximum port density of 48 per 1U patch panel. Fits all keystone style face plates and floor boxes.


Order no.

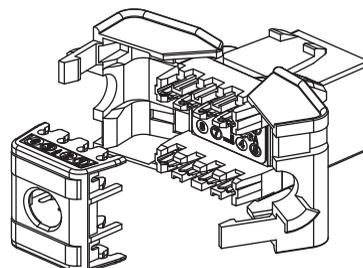
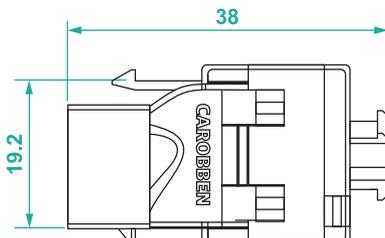
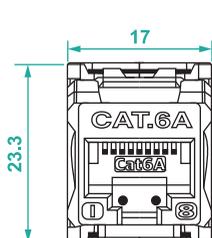
CRBK6AU1901WA

Description

Category 6A , Unshielded Keystone Jack , Toolless and easy confirm the connection , Compact Series

CRBK6U1901WA

Category 6+ , Unshielded Keystone Jack , Toolless and easy confirm the connection , Compact Series


Application

- Easy and fast tool free termination
- Patented PCB circuit forms a mutually corresponding capacitive for crosstalk cancellation.
- Suitable for modular screened patch panel installation
- Support application with PoE, IEEE 802.3bt PoE++ Type 4
- Support Class EA Category 6+/6A standards networks
- Universal color coding according to T568A and T568B
- Slim body suitable for 0.5/1U 24port and 2U 48port design
- Independent third party verified performance

Material

- Stamp Pin 0.35mm, Phosphor Bronze Gold over Nickel Plating
- IDC Conductor: 0.5mm Phosphor Bronze, Tin-plating
- Jack Contact Life: Min. 750 Insertions
- Termination: 180° Termination

Electrical Data

Insulation Resistance:	500 M
Rating:	1.5 Amps
DC Resistance:	0.1
Contact Resistance:	20 M
Voltage rating:	60V



2.5

TL10 Series STP Keystone Jack (Superior Headroom)



The CAROBEN CAT6A Keystone Jack is a premium quality network component, designed for high performance data transmission in demanding environments. Manufactured with advanced German technology, this keystone jack features a PCB board that is engineered and produced in Germany, ensuring outstanding reliability and precision. With superior shielding and internal structure, it delivers excellent Fluke test results, guaranteeing stable performance for high-speed 10 Gigabit Ethernet networks. Its design supports easy installation and secure connectivity, making it an ideal choice for professional structured cabling systems. Easy installation instructions to follow simplify your work and increase your efficiency.

**Order no.**

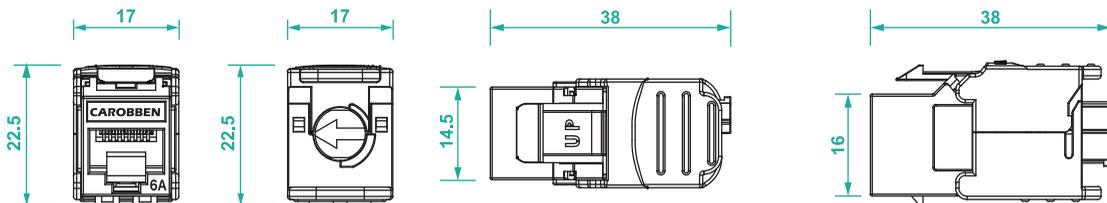
CRBK6ASTL10

Description

Category 6A, Full Shielded Keystone Jack, Toolless and easy confirm the connection, TL10 Series

CRBK6STL10

Category 6+, Full Shielded Keystone Jack, Toolless and easy confirm the connection, TL10 Series

**Application**

CAT6+/6A Class EA RJ45 plug to be assembled in the field

Easy Assembly - easily terminated in the field in 2 minutes without any special tools

Mating durability not less than 750 cycles

Phosphor bronze and gold plating 50u

Intermediate resistance: no more than 20m ohm in normal atmosphere pressure (not including bulk resistor)

Easily terminated in the field in 2 minutes without any special tools

Wire Connection: Stranded wire 24 to 22AWG

Press-Fit Module, Without solder, RoHS Compliant

Electrical Data

Insulation resistance: 500MΩ

Dielectric withstanding voltage: 1000V AC

DC current rating: 1.5Amps

DC resistance: 0.1Ω

Contact resistance: 20mΩ

Tool-Free Service

Experience seamless connectivity with our tool-free network keystone, designed for quick and easy installation. Say goodbye to cumbersome tools—simply snap in and enjoy reliable performance. Perfect for both home and office setups, ensuring a secure and efficient network. Elevate your networking with our innovative, hassle-free solution.



Pro Shield Series STP Keystone Jack

2.6



Caroblen Cat.6+/6A STP keystone self-clamping module for computer sockets and patch panels is used when connecting shielded twisted pair cables to an RJ45 form factor connector. The twisted pair connection occurs according to the T568A or T568B color schemes. On the front side there is an 8-pin connector for connecting a connector from a patch cord. On the back side there is an IDC type connector (insulation displacement contact installation with cutting through insulation) into which 8 twisted pair wires are supplied and clamped between the copper tapering blades of the module using a self-clamping design, an insert with wires is installed and the case is closed. The module has an additional plastic clamp, which completely eliminates the need to use a plastic clamp.



Order no.

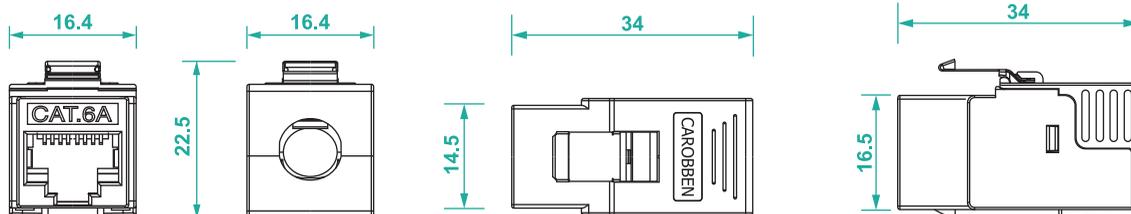
CRBK6AS832

CRBK6S832

Description

Category 6A , Full Shielded Keystone Jack , Toolless , Pro Shield Series

Category 6+ , Full Shielded Keystone Jack , Toolless , Pro Shield Series



Application

CAT6+/6A Class EA RJ-45 plug to be assembled in the field

Easy Assembly - easily terminated in the field in 2 minute without any special tools

Mating durability not less than 750 cycles

Phosphor bronze and gold plating 50 μ

Intermediate resistance: no more than 20m ohm in normal atmosphere pressure (not including bulk resistor)

Easily terminated in the field in 2 minute without any special tools

Wire connection: Stranded wire 24 to 22AWG

Electrical Data

Operation temperature: -40°C to 60°C

Relative humidity: 85%(30°C)

Air pressure: 70-106Kpa

DC resistance: 0.1

Tool-Free Service

Experience seamless connectivity with our toolless network keystone, designed for quick and easy installation. Say goodbye to cumbersome tools simply snap in and enjoy reliable performance. Perfect for both home and office setups, ensuring a secure and efficient network. Elevate your networking with our innovative, hassle-free solution.



2.7

Armor Series STP Keystone Jack



Carobben Category6+/6A toolless screened modular keystone jack features a die-cast housing. Innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by class EA standard. Patented PCB route & unique contact alignment provides excellent works in easing the internal magnetic coupling up to bandwidth 500MHz. Support interoperable 10G BASE-T application, backward compatible to any Class E, Class D solution. Press-Fit tech. is applied, no solder, no BP, purely RoHS compliant. This toolless keystone jack requires no punch down tool to install. Easy installation instructions to follow simplify your work and increase your efficiency. The socket is manufactured in a high quality zinc die cast housing.

**Order no.**

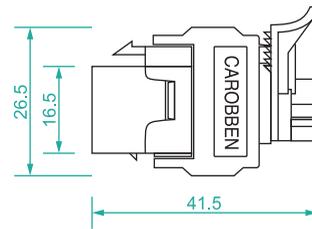
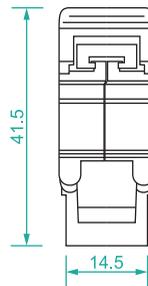
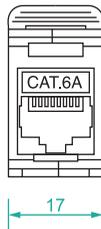
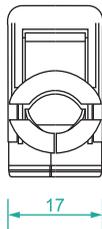
CRBK6ASNF325BWS

Description

Category 6A , Full Shielded Keystone Jack , Toolless and easy confirm the connection , Armor Series

CRBK6SNF325BWS

Category 6+ , Full Shielded Keystone Jack , Toolless and easy confirm the connection , Armor Series

**Material**Spring wire: Phosphor Bronze temper wire =0.45mm, 50 μ " gold over 100 μ " Nickel undercoat

IDC housing: Polycarbonate resin high-impact UL94V-0 thermoplastic

IDC contact: Phosphor Bronze, t=0.4mm, 200 μ " Tin over 50 μ " Nickel undercoat

Wire accommodation: accommodates 22-24 solid cable insulated conductor size

Application

Category 6+ /6A channel requirements of TIA/EIA-568-B2-10

750 mating cycles with FCC compliant RJ-45 plug

Die-Cast housing: Zinc alloys Zamac3, effective protection from EMI and alien crosstalk

Press-Fit Module, Without solder, RoHS Compliant

Features Toolless design, requiring no impact tool

Amendment 1 to ISO/IEC 11801, 2nd Ed.

According UL 1863, FCC part 68, Subpart F



Super Easy Series STP Keystone Jack

2.8



Carobben Cat.6+/6A shielded toolless STP module 180° Keystone Jack metal shell shielding interference. The zinc alloy shell ensures that the internal cables are not interfered by the outside world. High strength and quality materials using phosphor bronze continuous gold-plating process, strong hardness, firm wiring, can be reused many times. Universal standard design, simple and convenient installation support T568A/B terminal wiring sequence, terminal. compatible with 22-26AWG cable. Pass the Fluke standard test. Comply with ISO/IEC; TIA/EIA standard test, high-speed and stable data transmission. Toolless keystone installation offers numerous benefits, saving time and money by eliminating the need for specialized tools.



Order no.

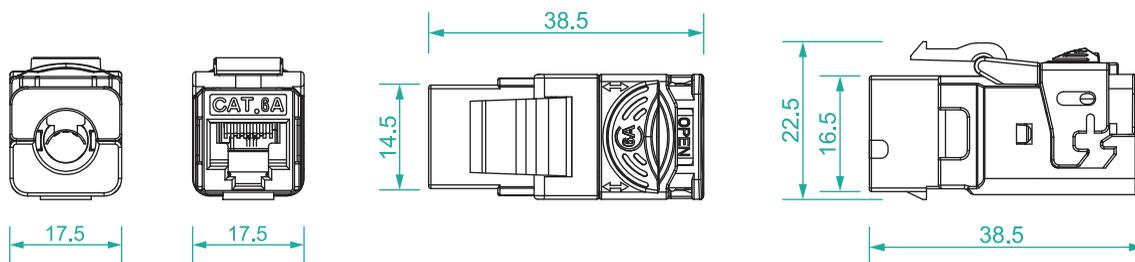
Description

CRBK6AS800

Category 6A , Full Shielded Keystone Jack , Toolless and Super Easy to Install Series

CRBK6S800

Category 6+ , Full Shielded Keystone Jack , Toolless and Super Easy to Install Series



Application

- Category 6+/6A channel requirements of TIA/EIA-568-B2-10
- Shielded die-casting keystone jack
- The installation is very simple without the need for a punch down tool
- 750 mating cycles with FCC compliant RJ-45 plug
- Phosphor bronze, 50 μ inch gold
- 100 μ inch nickel plated over phosphor bronze
- Press-Fit Module, Without solder, RoHS Compliant
- Toolless design, requiring no impact tool
- Amendment 1 to ISO/IEC 11801, 2nd Ed.

Electrical Data

Insulation resistance:	500mΩ
Dielectric withstanding voltage:	1000V AC
DC current rating:	1.5Amps
DC resistance:	0.1Ω

Tool-Free Service

Experience seamless connectivity with our toolless network keystone, designed for quick and easy installation. Say goodbye to cumbersome tools simply snap in and enjoy reliable performance. Perfect for both home and office setups, ensuring a secure and efficient network. Elevate your networking with our innovative, hassle-free solution.



2.9

Power Shield Series STP Keystone Jack



Carobben Category6+/6A toolless screened modular keystone jack features a die-cast housing. Innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by class EA standard. Patented PCB route & unique contact alignment provides excellent works in easing the internal magnetic coupling up to bandwidth 500MHz. Support interoperable 10G BASE-T application, backward compatible to any Class E, Class D solution. Press-fit tech. is applied, no solder, no BP, purely RoHS compliant. This tool-less keystone jack requires no punch down tool to install. Easy installation instructions to follow simplify your work and increase your efficiency. Toolless design does not need additional tools for termination.

**Order no.**

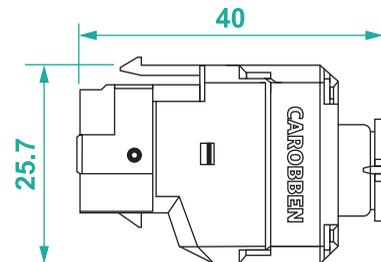
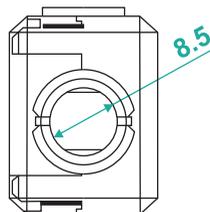
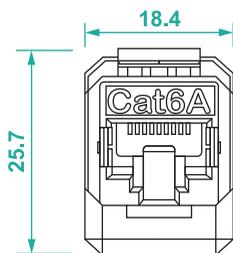
CRBK6ASKN220AS

Description

Category 6A , Full Shielded Keystone Jack , Toolless and easy confirm the connection , Power Shield Series

CRBK6SKN220AS

Category 6+ , Full Shielded Keystone Jack , Toolless and easy confirm the connection , Power Shield Series

**Material**Spring wire: Phosphor Bronze temper wire =0.45mm, 50 μ " gold over 100 μ " Nickel undercoat

IDC housing: Polycarbonate resin high-impact UL94V-0 thermoplastic

IDC contact: Phosphor Bronze, t=0.4mm, 200 μ " Tin over 50 μ " Nickel undercoat

Wire accommodation: accommodates 22-24 solid cable insulated conductor size

Application

Category 6+ /6A channel requirements of TIA/EIA-568-B2-10

750 mating cycles with FCC compliant RJ-45 plug

Die-Cast housing: Zinc alloys Zamac3, effective protection from EMI and alien crosstalk

Press-Fit Module, Without solder, RoHS Compliant

Features Toolless design, requiring no impact tool

Amendment 1 to ISO/IEC 11801, 2nd Ed.

According UL 1863,FCC part 68, Subpart F



Category.3 Telephone RJ11 Keystone Jack

2.10



Caroblen Cat.3 jacks are designed for exceptional performance. Because keystone jacks are an important part of any network. Caroblen Cat.3 jacks meets and exceeds industry standards. Most commonly used for voice and data applications, category 3 phone jacks deliver excellent performance providing 16 MHz of bandwidth. In data applications, it is used in 10Base-T and 100Base-T networks. A typical cat.3 jack has 6 positions for 110 punch down contact.

Our keystone category.3 jacks are made with nickel plated punch down contacts and gold plated RJ11/12 contacts, ensuring exceptional performance and durability. Category.3 phone jacks are UL listed, CSA certified, NEC article 800 compliant, FFC part 68 compliant, and ACA compliant.



Order no.

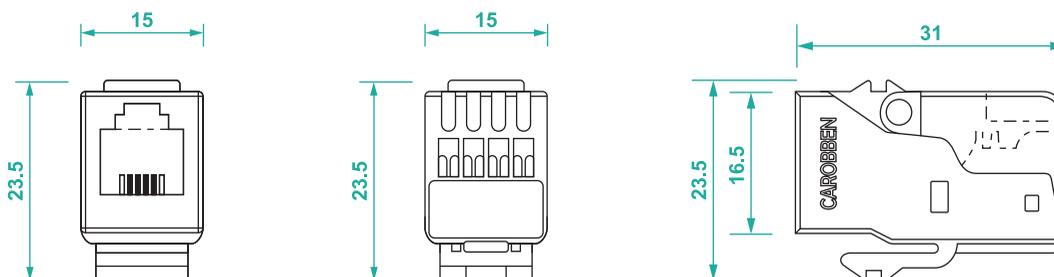
CRBK11D3051B

Description

Category 3 , RJ-11 Keystone Jack , Toolless and easy confirm the connection , Black color

CRBK11D3051W

Category 3 , RJ-11 Keystone Jack , Toolless and easy confirm the connection , Withe color



Application

Shield material:	Brass T=0.30mm nickel plating
Housing material:	PC UL94V-0
Insert material:	Flame retardancy ABS UL94V-0
PCB material:	FR-4 T=1.6mm
Contact material:	Phosphor bronze stamp pin T=0.35mm
IDC contact material:	phosphor bronze T=0.5mm Nickel plating
Wire:	AWG 22~26
Plastic housing:	UL94-V0
IDN Life:	≥250 times

Material

Housing material:	high impact, flame retardancy UL94V-1 Rated
Contact:	Diameter Phosphor bronze with $3\mu''$ to $50\mu''$ Gold plating on contact area
PCB material:	FR-4 T=1.6mm

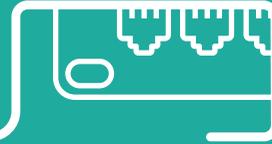
Descriptions

Insulation resistance	≥1000 M ohm
Contact resistance	≤2.5 M ohm
Dielectric strength	DC1000V or AC700V in 1 min. No Arc & Spark-over
AP type and AV type	available
90 degrees	available



3

Data Center and Enterprise Patch Panels



At Carobben, we are dedicated to providing state-of-the-art networking solutions tailored for the demands of modern data centers and enterprise environments. Our range of patch panels epitomizes our commitment to innovation, reliability, and performance, ensuring seamless connectivity and efficient management of your network infrastructure.

Carobben patch panels are meticulously designed to support the high-density cabling needs of data centers and enterprises. Crafted with precision and using the finest materials, our patch panels offer robust construction that guarantees long-term durability and exceptional performance. Each panel is engineered to facilitate high-speed data transmission, ensuring minimal signal loss and maximum reliability, even in the most demanding network environments.

Effective cable management is crucial for maintaining an organized and efficient network. Carobben's patch panels feature an intuitive design that simplifies cable organization and maintenance. With features such as labeled ports, rear cable management bars, and integrated strain relief, our patch panels make it easy to keep your cables neatly arranged, reducing clutter and improving airflow within your racks and cabinets.

Our patch panels are available in a variety of configurations to accommodate different networking requirements. Whether you need a compact solution for a small office or a high-capacity panel for a large data center, Carobben has the perfect solution. Our range includes 24-port, 48-port, and modular options, allowing you to scale your network infrastructure as your needs evolve. The flexibility of our patch panels ensures that they can seamlessly integrate with existing setups and support future expansions.

Designed with the user in mind, Carobben patch panels offer tool-free installation and easy maintenance. The panels feature snap-in keystone jacks and clearly labeled ports, making setup and reconfiguration straightforward and hassle-free. Our innovative A-frame design, available in some models, enhances accessibility and simplifies cable sorting, while built-in shutters provide additional protection for unused ports, keeping them dust-free and ready for future use.

Carobben patch panels are engineered to meet and exceed industry standards, ensuring top-notch performance and compatibility with a wide range of networking equipment. Our panels support various cable types, including Cat5e, Cat6, Cat6A, and Cat7, offering versatility for different applications. Each product undergoes rigorous testing to ensure compliance with the highest quality and performance benchmarks, giving you peace of mind that your network infrastructure is built to last.

At Carobben, innovation is at the core of our product development. Our dedicated research and development team continually explores new technologies and materials to enhance the performance and reliability of our networking solutions. By staying at the forefront of industry trends, we ensure that our products provide the cutting-edge features and capabilities that modern data centers and enterprises demand.



Data Center and Enterprise Patch Panels

3

3.1 CRBP24S180B/W

24 Port , STP Frame Patch Panel , Angle Series , 1U Rackmountable , With support bar , Black or White color

Carobben 's Angled blank panel, designed to seamlessly accommodate Cat 5E, Cat 6, Cat6A, and Cat 6 keystone jacks and inline couplers. This innovative foldable snap-in panel is a game-changer for cable management in high-density cabinets, making it the perfect solution to optimize rack space utilization



3.2 CRBP24S180FB/W

24 Port , STP Frame Patch Panel , Pro Shield Series , 1U Rackmountable , With support bar , Black or White color

Carobben network frame patch panel, featuring 24 port, a convenient dust cover and a specialized support bar, offers a multitude of benefits and is fully compatible with all types of Carobben keystone jacks. With its 24 port, this panel provides seamless connectivity options, allowing effortless integration and



3.3 CRBP24S140FB/W

24 Port , STP Frame Patch Panel , Strong Series , 1U Rackmountable , With support bar , Black or White color

Carobben network frame patch panel, Innovative mechanism optimize PSANEXT and PSAACR-F (Alien crosstalk). Self built-in cable management is constructed to relieve cable strain and uniform the alignment of bulk cables. Panels feature a stainless steel bracket to provide grounding continuity between



3.4 CRBP6U2403B/W

24 Port , Cat.6+ UTP Patch Panel , Toolless , Rotary punch system , With support bar , Black or White color

Experience the pinnacle of networking excellence with the Carobben 24 Port UTP Category 6+ network patch panel with Support Bar. Crafted to the highest standards of quality, this patch panel redefines reliability and performance in network management. Its superior construction ensures seamless



3.5 CRBP6U2445B/W

24 Port , Cat.6+ UTP Patch Panel , 45 Degrees Series , Dual type IDC , With support bar , Black or White color

Carobben Cat.6+ unshielded 24 Port patch panel comply with ANSI/TIA-568.2-D, ISO/IEC 11801-1 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive. The construction is in standard 1U 19" size, suits for all 19" rack installation. The main metal frame is made



3.6 CRBP6S24D9B/W

24 Port , Cat.6+ STP Patch Panel , Secure Sort Series , With Dust cover , Dual type IDC , Black or White color

Experience the pinnacle of networking excellence with the Carobben 24 Port STP Category 6+ network patch panel with Support Bar. Crafted to the highest standards of quality, this patch panel redefines reliability and performance in network management. Dual type IDC accepts 22-26 AWG solid cable



3.7 CRBP3U2411B/W

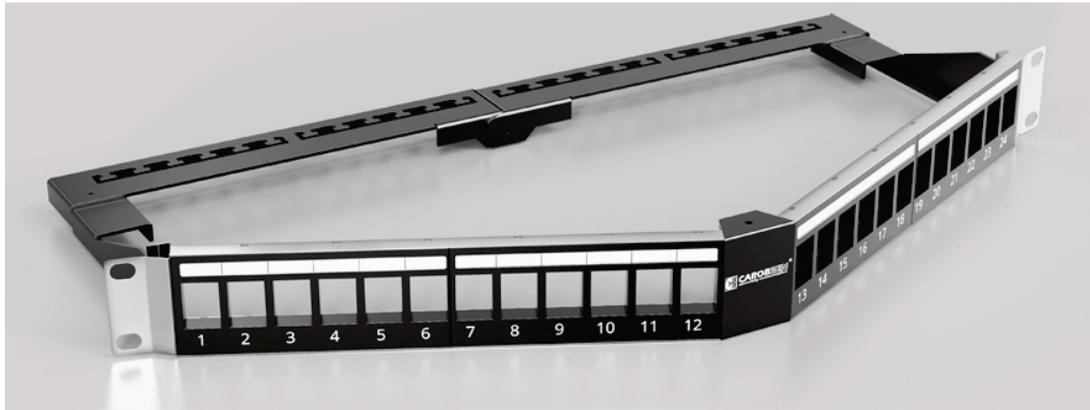
25 Port Category 3 Voice Panel , 1U Rackmountable , With Side bar and LED indicator , Black or White color

The Carobben 25 Port Telephone patch panel is a high-quality telecommunications component designed to manage and organize telephone lines efficiently. This patch panel serves as an interface between incoming telephone lines and the devices they connect to, such as phones, modems, or fax machines, providing



3.1

Angle Type Unloaded STP Patch Panel 24 Port



Caroblen's Angled blank panel, designed to seamlessly accommodate Cat 5E, Cat 6, Cat6A, and Cat 8 keystone jacks and inline couplers. This innovative foldable snap-in panel is a game-changer for cable management in high-density cabinets, making it the perfect solution to optimize rack space utilization. With its unique design, our angled blank panel allows for more keystone jacks and inline couplers compared to traditional non-foldable panels. By enabling cables to be directed into vertical cable management, it effectively reduces the demand for horizontal cable management, providing a clutter-free and organized setup.

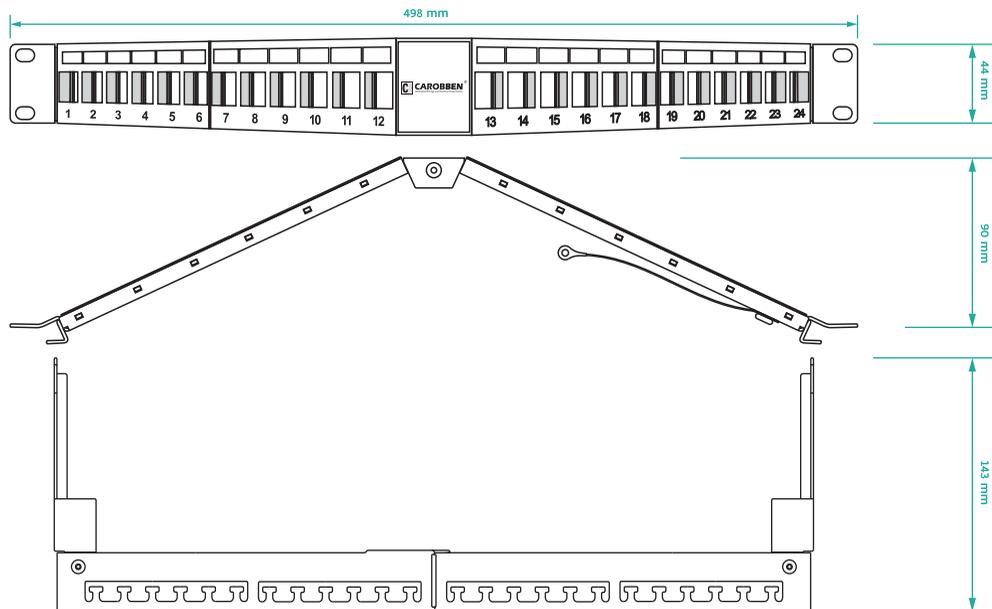
**Order no.****Description**

CRBP24S180RB

24 Port Frame Patch Panel , Angle Series , Shielded , 1U Rackmountable , With cable support bar , Black color

CRBP24S180RW

24 Port Frame Patch Panel , Angle Series , Shielded , 1U Rackmountable , With cable support bar , White color

**Application**

STP 1U 24 Port unloaded V-Type angled patch panel

Compatible with quick port Cat 5e, Cat 6, and Cat 6A connectors

With cable management and drain wire design

Cable Tie: Optional for enhanced security

Ground cable with handily revolved screw

Cords route directly into vertical managers from angled panel

Remarkable position suits for you quick and easy port marking

saving rack space by eliminating horizontal management

Mounts on 19 inch equipment racks

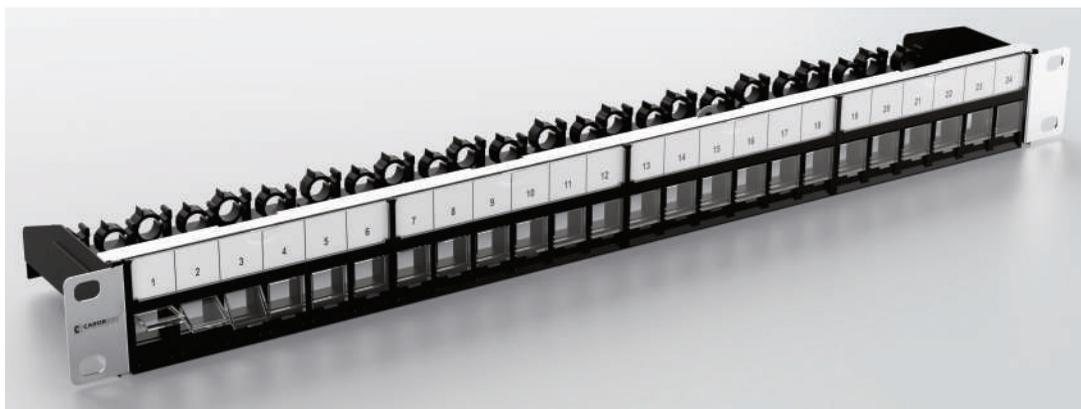
Black or White color

Fitting with FTP/UTP 180° keystone jacks

Easy click on management bar, high strength affordable

Universal standard design

Including ground wire

Pro Shield Series Unloaded STP Patch Panel 24 Port
3.2


Carobben network frame patch panel, featuring 24 port, a convenient dust cover and a specialized support bar, offers a multitude of benefits and is fully compatible with all types of Carobben keystone jacks. With its 24 port, this panel provides seamless connectivity options, allowing effortless integration and organization of various network cables. incorporated shutter ensures optimal protection against dust, debris, and accidental disconnections, maintaining a consistently reliable and uninterrupted connection. Each port has sequence numbering, and above markable position, is right for future port identification or remanagement.

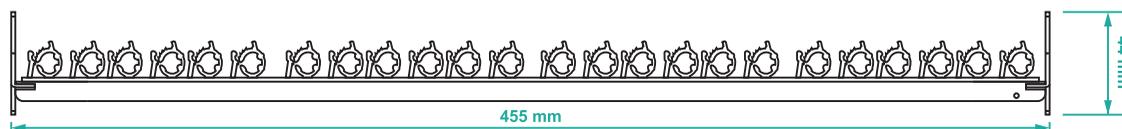
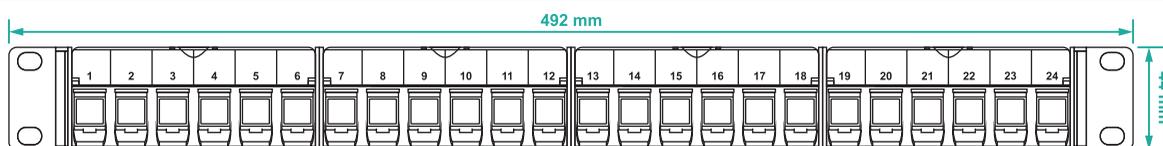

Order no.
Description

CRBP24SD18FB

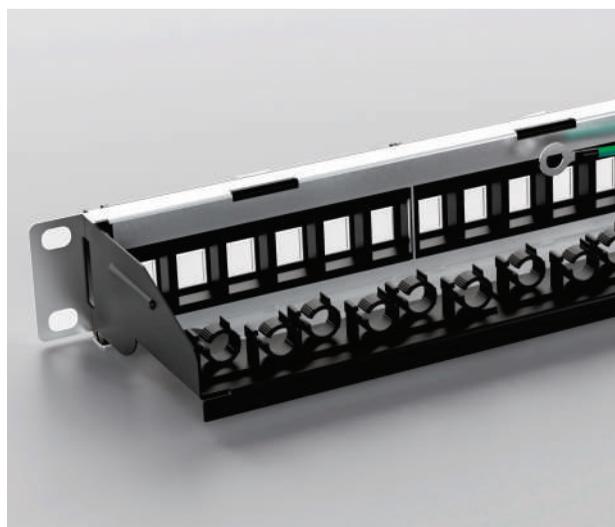
24 Port Frame Patch Panel , Pro Shield Series , Shielded , 1U Rackmountable , With cable support bar , Black color

CRBP24SD18FW

24 Port Frame Patch Panel , Pro Shield Series , Shielded , 1U Rackmountable , With cable support bar , White color

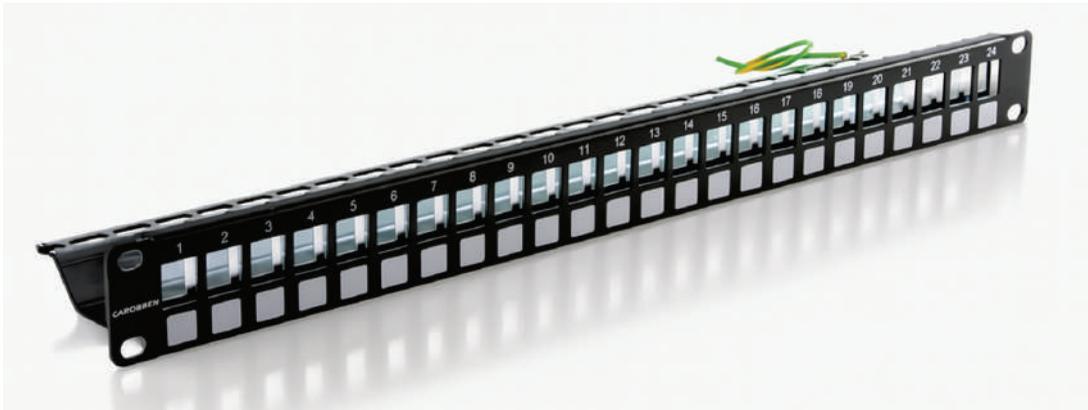

Application

- STP 1U 24 Port unloaded patch panel
- With cable management and drain wire design
- Ground cable with handily revolved screw
- Remarkable position suits for you quick and easy port marking
- Mounts on 19-inch equipment racks
- Compatible with Quick Port Cat 3, Cat 5e, Cat 6, and Cat 6A keystone Jacks
- Effortless installation and a perfect fit, enhancing overall network performance
- The specialized support bar reinforces the panel's structural integrity
- Alleviating strain on cables and connectors
- Black or White Color



3.3

Strong Series Unloaded STP Patch Panel 24 Port



Carobben network frame patch panel, Innovative mechanism optimize PSANEXT and PSAACR-F (Alien crosstalk). Self built-in cable management is constructed to relieve cable strain and uniform the alignment of bulk cables. Panels feature a stainless steel bracket to provide grounding continuity between modular jacks and panel. It provides both EMI/RFI protection and data security for all your Categories with a total solution. Carobben 19" high density unloaded patch panel, 24 port in 1U, could significantly expand your capacity by space saving in the rack. Carobben high density unloaded patch panel is in dedicated design to adopt 180° shielded die-casting keystone jack, to meet different place use intentions.

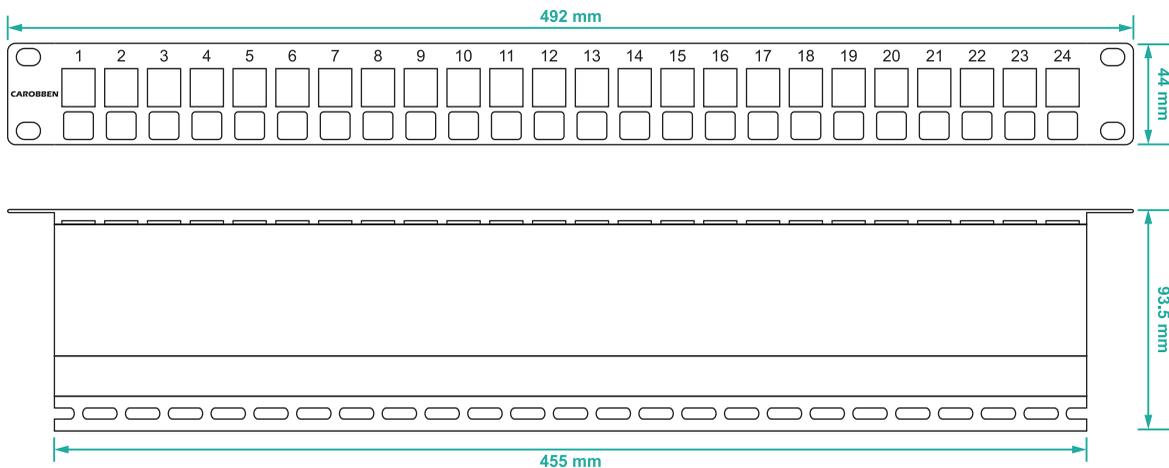
**Order no.****Description**

CRBP24S140FB

24 Port Frame Patch Panel , Strong Series , Shielded , 1U Rackmountable , With cable support bar , Black color

CRBP24S140FWt

24 Port Frame Patch Panel , Strong Series , Shielded , 1U Rackmountable , With cable support bar , White color

**Application**

STP 1U 24 Port unloaded flat patch panel

With cable management and drain wire design

Ground cable with handily revolved screw

Remarkable position suits for you quick and easy port marking

Mounts on 19-inch equipment racks

Fitting with FTP/UTP 180D keystone jacks

24ports high-density design in 1U, suitable for all 19" EIA racks

For 180° shielded die-casting keystone jack

Alleviating strain on cables and connectors

Enhancing overall network performance

RoHS compliant

Compatible with Quick Port Cat 3, Cat 5e, Cat 6, and Cat 6A keystone Jacks

Cable Tie: Optional for enhanced security

Snap-in structure easy for maintenance

saving rack space by eliminating horizontal management

Black or White color

Fixed management bar

Including ground wire

Temperature Range is -10°C to 60°C

Universal standard design

Rotary Series UTP Patch Panel Category 6+ 24 Port

3.4

COPPER COMPONENTS



Experience the pinnacle of networking excellence with the Carobben 24 Port UTP Category 6+ network patch panel with Support Bar. Crafted to the highest standards of quality, this patch panel redefines reliability and performance in network management. Its superior construction ensures seamless Cat.6+ Ethernet connections, while the thoughtfully integrated support bar elevates cable management to an art form, transforming clutter into pristine organization. The Carobben brand's unwavering commitment to excellence shines through, guaranteeing a patch panel that not only meets but exceeds the most demanding expectations.



Order no.

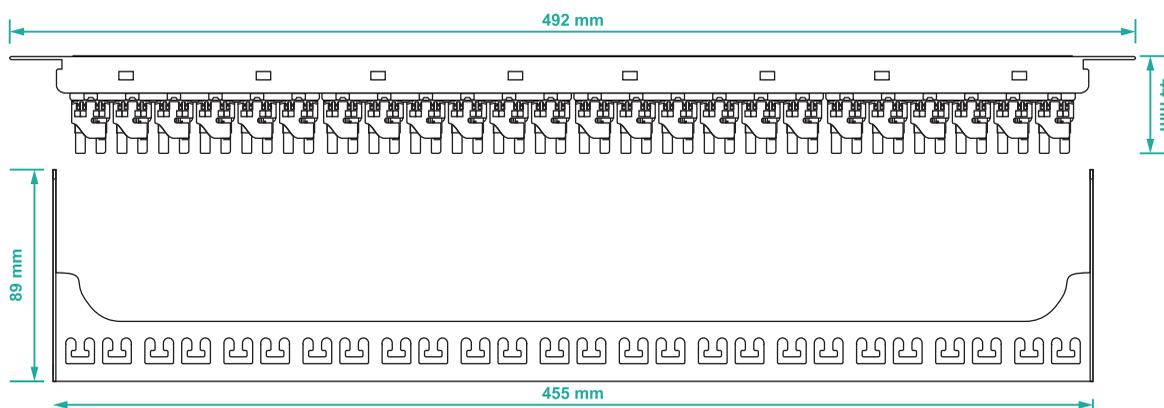
Description

CRBP6U2403B

24 Port , Cat6+ UTP Patch Panel, Toolless and easy confirm the connection , Rotary punch system, Black color

CRBP6U2403W

24 Port , Cat6+ UTP Patch Panel, Toolless and easy confirm the connection , Rotary punch system, White color



Application

The Category 6+ channel requirements of TIA/EIA-568-B2-10

750 mating cycles with FCC compliant RJ-45 plug

Die-Cast housing: Zinc alloys Zamac3, effective protection from EMI and Alien crosstalk

Press-Fit Module, without solder, RoHS Compliant

Features Toolless design, requiring no impact tool

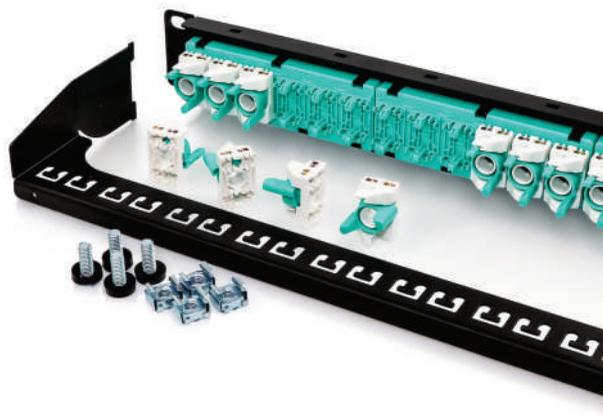
Amendment 1 to ISO/IEC 11801, 2nd Ed

According UL 1863,FCC part 68, Subpart F

Storage temperature: -40°C-68°C

Operating humidity: 10%~90%RH

Black or White color



3.5

45 Degrees Series UTP Patch Panel Category 6+ 24 Port



Carobben Cat.6+ unshielded 24 Port patch panel comply with ANSI/TIA-568.2-D, ISO/IEC 11801-1 and EN 50173-1 Class E specifications. The complete module complies with EU ROHS directive. The construction is in standard 1U 19" size, suits for all 19" rack installation. The main metal frame is made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is available in 24 port (1U). Modular port at a 45° angle to facilitate in cable flow and provides more cabling room, especially for deeper equipment. With the smaller depth in equipment, it is impossible to interim the recommended bending radius of cables.

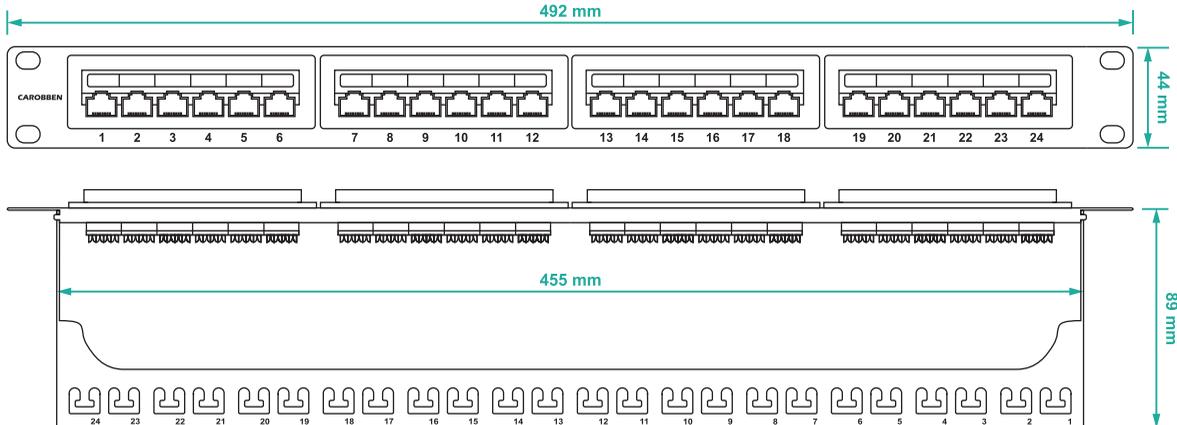
**Order no.****Description**

CRBP6U2445B

24 Port , Cat6+ UTP Patch Panel, 45 Degrees Series , With Cable Support bar , Dual type IDC , Black color

CRBP6U2445W

24 Port , Cat6+ UTP Patch Panel, 45 Degrees Series , With Cable Support bar , Dual type IDC , White color

**Application**

The Category 6+ channel requirements of TIA/EIA-568-B2-10

Phosphor bronze, 50 μ inch gold plating over nickel in contact area

100 μ inch nickel plated over phosphor bronze

Dielectric strength is 1000V RMS for 1min

IDC termination using 110 or Krone tool

Universal color-coding for 568A and 568B

According UL 1863,FCC part 68, subpart F

Guaranteed channel and perm link margin with approval cable

Optimized for maximum throughput and reliable transmission

Black or White color



Secure Sort Series STP Patch Panel Category 6+ 24 Port
3.6


Experience the pinnacle of networking excellence with the Carobben 24 Port STP Category 6+ network patch panel with Support Bar. Crafted to the highest standards of quality, this patch panel redefines reliability and performance in network management. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. Its superior construction ensures seamless Category 6+ Ethernet connections, while the thoughtfully integrated support barelevates cable management to an art form, transforming clutter into pristine organization. The Carobben brand's unwavering commitment to excellence shines through, guaranteeing a patch panel that not only meets but exceeds the most demanding expectations.

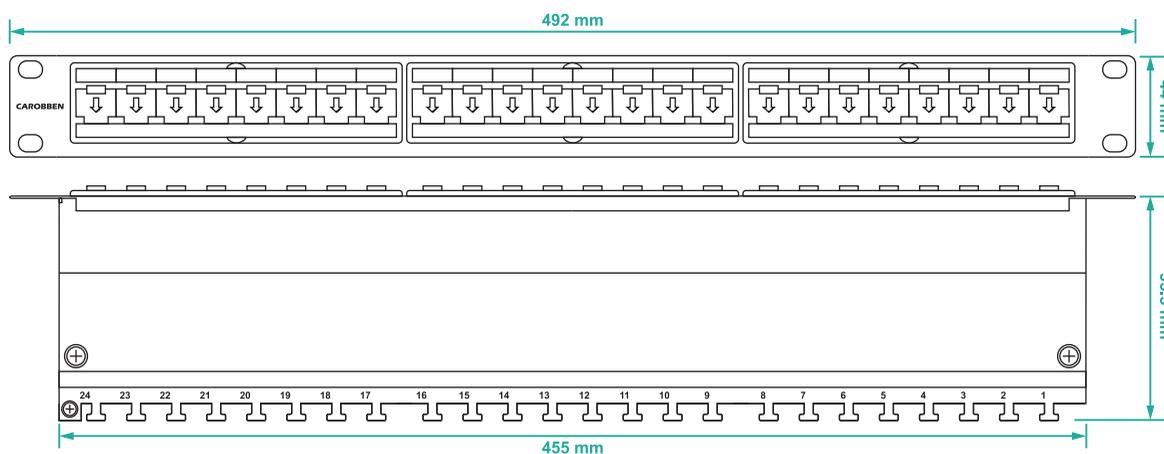

Order no.
Description

CRBP6S24D9B

24 Port , Cat6+ STP Patch Panel , Shielded , Secure Sort Series , With Dust cover , Dual type IDC , Black color

CRBP6S24D9W

24 Port , Cat6+ STP Patch Panel , Shielded , Secure Sort Series , With Dust cover , Dual type IDC , White color


Application

STP 1U 24 Port Category 6+ patch panel

IDC: 100μ inch nickel plated over phosphor bronze

Mounts on 19-inch equipment racks

With cable management and drain wire design

24-port high-density design in 1U, suitable for all 19" EIA racks

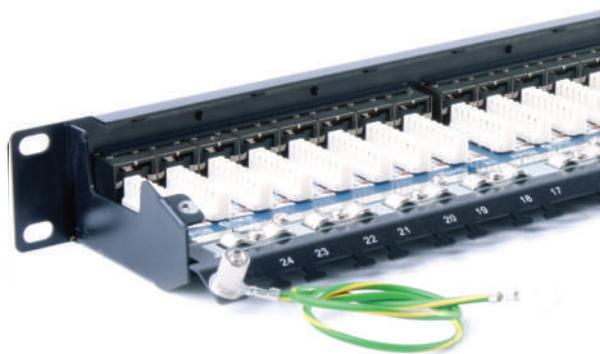
750 mating cycles with FCC compliant RJ-45 plug

Jack: Phosphor bronze, 50μ inch gold plating overnickel in contact area

Shielded Cover: 50~60μ inch nickel plated over zinc alloy

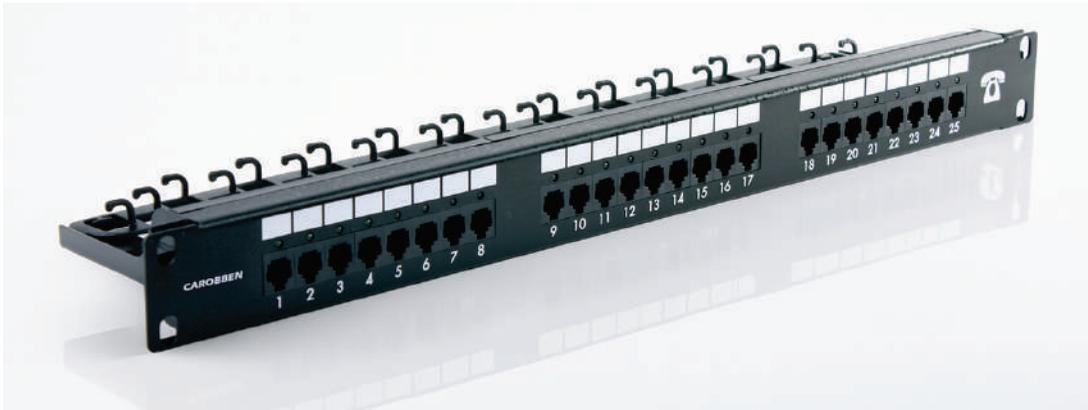
Humidity: 10%~90%; non condensing

Black or White color



3.7

ISDN (Category.3) 90 ° Unshielded Patch Panel 25 Port



The Carobben 25 Port Telephone patch panel is a high-quality telecommunications component designed to manage and organize telephone lines efficiently. This patch panel serves as an interface between incoming telephone lines and the devices they connect to, such as phones, modems, or fax machines, providing a central point for wiring management in both residential and commercial settings. Category.3 unshielded patch panel complies with ANSI/ TIA/EIA 568A, ISO/IEC 11801, EN 50173 specifications. The complete module complies with EU RoHS directive. The construction is in standard 1U 19" size, suits for all 19" rack installation. 4P4C terminal block for 25 port type.

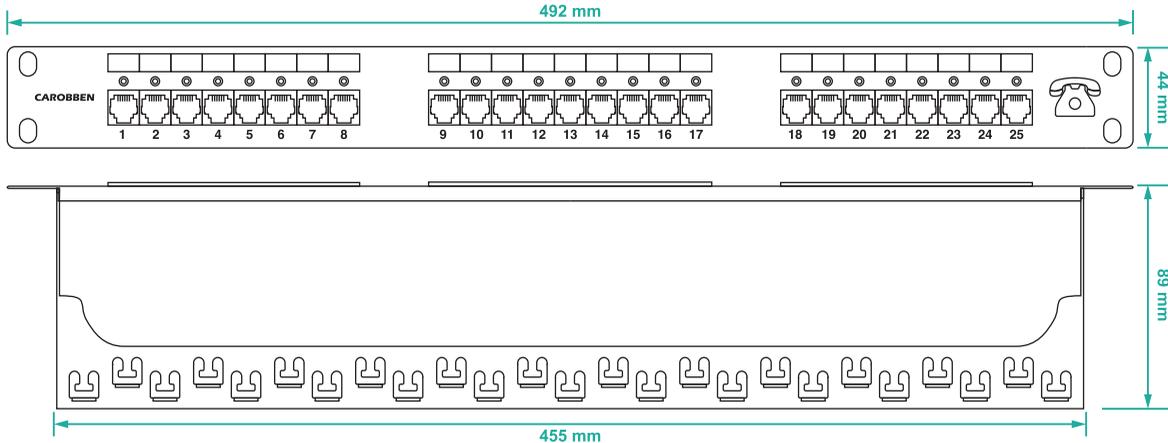
**Order no.****Description**

CRBP3U2511B

25 Port Category 3 Voice Panel , Unshielded , 1U Rack Mount , With Side bar and LED indicator , Black color

CRBP3U2511W

25 Port Category 3 Voice Panel , Unshielded , 1U Rack Mount , With Side bar and LED indicator , White color

**Application**

- Telephone patch panel is made of aluminum alloy light weight and durable
- LED indicator reverts faultily problem
- Each port with clearly mark
- With cable management and drain wire designv
- 25 port high-density design in 1U, suitable for all 19" EIA racks
- 110/ Krone compatible terminal design
- Operating temperture : -40°C~+60°C
- IDC insertion life cycles > 250
- Humidity: 10%~90%; non condensing
- Black or White color



Complete peace of mind

Did you connect the right wire? Did you remember earthing? With Carobben you never have to worry again. The shielded connectors have an automatic 360° earthing, so you will save time and provide safe installations simultaneously. But security isn't only a built-in feature in products. It's also a philosophy that has governed the way we have designed the Carobben support services and warranties.



You will get it right, intuitively

Carobben is built on intuitive installation technology, making it very hard to fail. But if there are any uncertainties, don't hesitate to call your local support services. They are happy to answer your questions. And if there is something you would like to excel at, you are always welcome to join our training programs.



Carobben system warranty covers the complete network, from the technical room to the workstation. Ask your local Tecnocube sales office for detailed information on the warranties and support resources in your country.

We offer comprehensive training programs as well as extensive warranties.

Certified standard and global accessibility

All Carobben products are certified to the highest standards by a third party. Several products actually exceed international standards to give you true top-class performance and reliable connectivity. Our worldwide presence and well-known distribution partners also ensure both global and local access to our products and services.

The Digital Rule helps you select products

Do you find it hard to select RJ45 connectors, patch panels, cables and enclosures? Visit carobben.com and try our Digital Rule. It's an intelligent online e-catalogue which will facilitate your choices and ensure an error-free specification, your choices and ensure an error-free specification.

4

Customizable Wall Face Plates for Modular Connections



Discover the perfect blend of functionality and aesthetics with Carobben`s customizable wall face plates for modular connections. As an Italian brand renowned for innovation and quality, Carobben offers a range of face plates designed to enhance the efficiency and appearance of your network installations. Our face plates provide a sleek, professional finish while offering the flexibility needed to meet the diverse requirements of modern networking environments.

Carobben`s wall face plates are engineered to support a wide variety of modular inserts, including keystone jacks, Fiber connectors and more. This versatility allows you to create tailored solutions that suit your specific networking needs, whether for residential, commercial, or industrial applications. The modular design ensures easy customization, making it simple to adapt and expand your network as your requirements evolve.

At Carobben, we prioritize quality in every aspect of our products. Our wall face plates are crafted from durable, high-grade materials that provide long-lasting performance and resistance to wear and tear. The refined Italian craftsmanship ensures a sleek, professional appearance that complements any interior décor, making them ideal for both visible and concealed installations.

Designed with the installer in mind, Carobben face plates offer quick and hassle-free installation. The plates feature standard dimensions that fit seamlessly into existing electrical boxes and surface mount boxes. Clearly labeled ports and an intuitive layout make it easy to configure and reconfigure connections, saving you time and effort during setup and maintenance.

We understand that aesthetics play a crucial role in creating a cohesive and professional environment. Carobben`s wall face plates are available in various colors and finishes, allowing you to match them with your interior design. Whether you prefer a classic white finish for a clean look or a sophisticated metallic finish for a modern touch, Carobben has the perfect solution to suit your style.

Our customizable face plates not only enhance the appearance of your installations but also contribute to better cable management and organization. By providing a tidy and organized interface for your network connections, Carobben face plates help reduce clutter and improve the overall efficiency of your networking setup. The clearly labeled ports make it easy to identify connections, simplifying troubleshooting and maintenance.

Innovation and excellence are at the heart of Carobben`s product development. Our research and development team continually explores new materials, designs, and technologies to ensure our products remain at the forefront of the industry. By choosing Carobben, you are investing in wall face plates that deliver superior performance, reliability, and aesthetic appeal.

Carobben`s customizable wall face plates for modular connections provide the perfect solution for creating efficient, organized, and visually appealing network installations. Our commitment to quality, innovation, and Italian craftsmanship ensures that you receive products that not only meet but exceed your expectations. Explore our range of face plates and discover how Carobben can enhance your network infrastructure.



Customizable Wall Face Plates for Modular Connections

4

4.1 CRBPL805C6UN

Category 6+ Modular Plug RJ45 , Unshielded (UTP) , With Professional design & 50µ Gold in plats , 3 Prongs

The Category 6+ UTP RJ45 connector by Carobben represents a cutting edge solution for high speed data transmission and networking needs. Engineered with precision and innovation, this connector is designed to meet the demands of modern communication infrastructures. The Category 6+ designation



4.2 CRBPL817C6AS

Category 6A Modular Plug RJ45 , Shielded (STP) , With Unbreakable handle & 50µ Gold in plats , 3 Prongs

Carobben Shielded RJ45 Modular Plugs make quality termination easy and fast with Cat6+, Cat6A, and Cat7 solid and stranded round wire cables. The modular plugs accept 23 to 26 AWG shielded or unshielded cable. The insulated conductor outside diameter need to be less than or equal to 1.3 mm. Plug Housing



4.3 CRBPL890C6ASPT

Category 6A Modular Plug RJ45 , Shielded (STP) , Pass Through Series , 50µ Gold in plats , 3 Prongs

Carobben Shielded RJ45 Pass Through series Cat.6A connectors easy and fast termination STP gold plated 50 micron 3 Prong modular plug 8P8C ends for Category 6A Ethernet Cable Stranded or Solid, Termination easy, fast & reliable - RJ45 Pass through design allows the wires simplify to slide all the....



4.4 CRBPLT09C6ASS

Category 6A Modular Plug RJ45 , Full Shielded , Easy to assemble without tools

Carobben RJ45 STP field termination plug for Cat.6A cable is the RJ45 plug of choice for time saving, efficient on-site assembly and requires no special termination tools. Suitable for all networks, from voice right through to 10 Gigabit Ethernet. The plug can be assembled on all standard types of solid and stranded cable....



4.5 CRBF1/2T/WBKW

Universal Blank Port (45*45mm) & (22.5*45mm) French type Flat Face Plate ,1/2 Port , with Shutter

Carobben universal Flat face plates (45*45mm) & (22.5*45mm) flat use new environmental-friendly PC material. The face plates are for use in conjunction with keystones and other inserts. You can use appropriate keystones to create a nicely finished, professionally installed look for ethernet networks....



4.6 CRBF1/2T/WAKW

Universal Blank Port (45*45mm) & (22.5*45mm) French type Angle Face Plate ,1/2 Port , with Shutter

Carobben universal Angle face plates (45*45mm) & (22.5*45mm) Angle use new environmental-friendly PC material. The Face plates are for use in conjunction with keystones and other inserts. You can use appropriate keystones to create a nicely finished, professionally installed look for Ethernet networks....



4.1

Category 6+ Standard RJ45 Unshielded Modular Plug



The Category 6+ UTP RJ-45 connector by Carobben represents a cutting edge solution for high speed data transmission and networking needs. Engineered with precision and innovation, this connector is designed to meet the demands of modern communication infrastructures. The Category 6+ designation ensures exceptional performance, supporting data rates of up to 10 Gbps over copper twisted-pair cables.

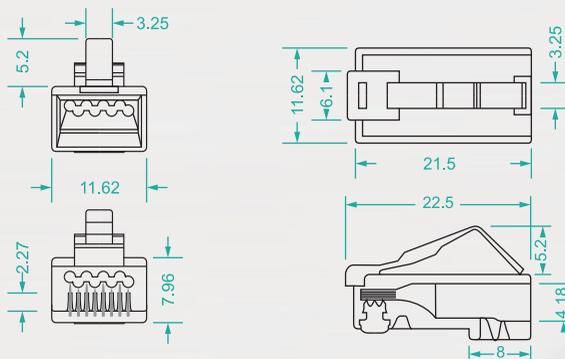
Carobben's commitment to quality is evident in the connector's construction, which incorporates advanced materials and manufacturing techniques to minimize signal interference and crosstalk.

**Order no.**

CRBPL805C6UN

Description

Category 6+ Modular Plug RJ-45 , Unshielded (UTP) , With Professional design & 50μ Gold in plats , 3 Prongs

**Application**

Product: Category 6+ network crystal head

Interface: RJ-45

Material: PC

Chip contacts gold-plated , Chip surface nickel

Application: Single strand core Φ 1.0mm

Faster transmission

Anti oxidation , anti corrosion and more durable

Enhanced conduction performance

Features

Chip material for the pure copper

The surface layer of nickel plating

Anti-oxidation

Anti-corrosion

Gold-plated

Size 7.96 x 22.5 x 11.62 mm

Enhanced conductivity

50 Micron gold bath

Technology

Type UTP modular connector for data RJ-45 8V/8C Category 6+

It is also possible to incorporate connector covers for a good finish

Modular RJ-45 connector 8P/8C UTP Category 6+

The Category 6+ UTP RJ45 connector is used to crimp at the ends of the twisted pair cable

Category 6A Standard RJ45 Shielded Modular Plug

4.2



Carobben Shielded RJ45 Modular Plugs make quality termination easy and fast with Cat6+, Cat6A, and Cat7 solid and stranded round wire cables. The modular plugs accept 23 to 26 AWG shielded or unshielded cable. The insulated conductor outside diameter need to be less than or equal to 1.3 mm. Plug Housing is made of flame retardant PC material, with the copper casing under plated with gold which assure that each crimping without fail. The load bar is best for installation with conductors. The tail clamp protected support barrel evenly crimped and firm around the cable. High-performance shielded housing and the thick gold-plated three-prongs gold-plated contacts ensure fast data transfer speed, reduce pair to pair alien crosstalk, and greatly improve noise immunity at all frequencies.

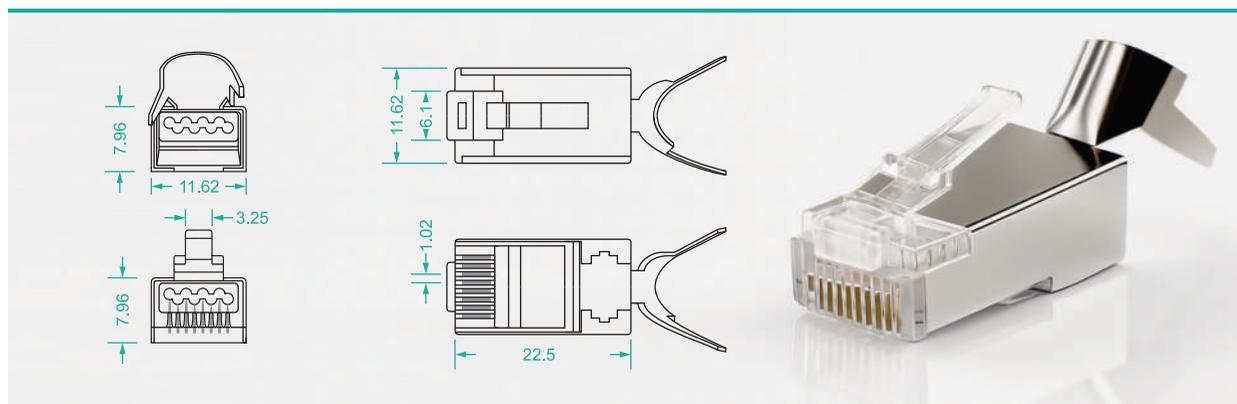


Order no.

CRBPL817C6ASS

Description

Category 6A Modular Plug RJ-45 , Shielded (STP), With Unbreakable handle & 50μ Gold in plats , 3 Prongs



Application

- Product: Cat.6A FTP Shielded 8P8C 3 Prong RJ-45 Connector
- Interface: RJ-45
- Size 7.96 x 22.5 x 11.62mm
- Chip contacts gold-plated , Chip surface nickel
- Application: Single strand core Φ 1.0mm
- Faster transmission
- Anti-oxidation , anti corrosion and more durable
- Enhanced conduction performance

Features

- Chip material for the pure copper
- Color: Nature
- Material: PC + Pure Copper
- Pin Material: Pure Copper
- Packing: Blister Box / 100 Pcs
- Temperature Range: \sim 40°C \sim +70°C
- Plating: Fu - 50μ
- Standard: IEC standard

Technology

- Type STP modular connector for data RJ45 8P/8C Cat.6, Cat.6A and Cat.7
- Using a three pronged chip, the contact is stable and continuous
- The cable can be fixed at the rear to make the cable more secure and not loose
- Made of environmentally friendly PC material, corrosion resistant, tough, and long service life

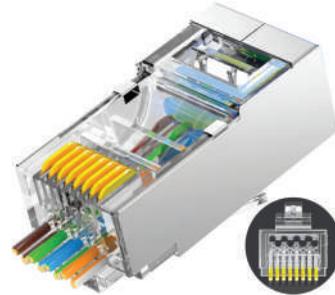
4.3

Category 6A Pass Through Series RJ45 Shielded Modular Plug

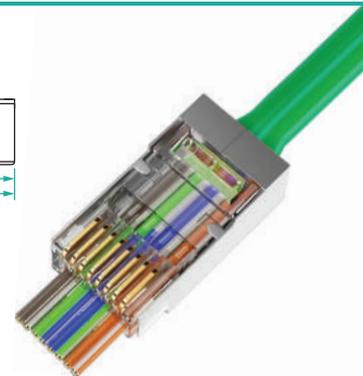
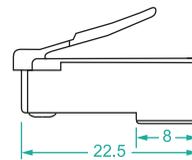
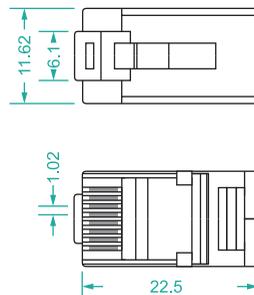
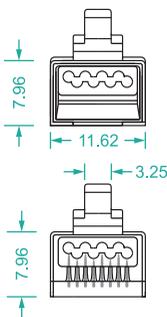


Carobben Shielded RJ-45 Pass Through series Cat.6A connectors easy and fast termination STP gold plated 50 μ 3 Prong modular plug 8P8C ends for Category 6A Ethernet Cable Stranded or Solid.

Termination easy, fast & reliable RJ-45 Pass through design allows the wires simplify to slide all the way to the slot after you arrange it in a 568A or 568B standard. Best for a not pro installer, let you quickly and easily create Category 6A cables. Avoided mistakes & environmentally friendly compared with traditional RJ45 connectors, you can easily verify the proper wiring order by the pass through ends, reducing scraps and waste. Shielded Category 6A plugs full shielded products provide reduced pair to pair crosstalk, alien crosstalk and considerably improved immunity to noise at all frequencies. High quality solid connector will not break when crimping.

**Order no.**

CRBPL890C6ASPT

DescriptionCategory 6A Modular Plug RJ-45 , Shielded (STP), Pass Through Series , 50 μ Gold in plats , 3 Prongs**Application**

Product: Cat.6A FTP shielded 8P8C 3 prong RJ-45 connector

Interface: RJ-45

Size: 7.96 x 22.5 x 11.62mm

Chip contacts gold-plated , Chip surface nickel

Application: Single strand core Φ 1.0mm

Faster transmission

Anti-oxidation , anti-corrosion and more durable

Enhanced conduction performance

Features

Durable oxygen free copper

Outside diameter: 1.1 \pm 0.02mm ConductorDiameter: 1.2 \pm 0.02mm Conductor:

OD: max 0.57mm

Packing: Blister Box / 100 Pcs

Temperature range: \sim 40 $^{\circ}$ C \sim +70 $^{\circ}$ CPlating: Fu - 50 μ

Wire OD: 24-28AWG

Technology

You do not really need a special one. Just push wires, All the way out of the plug and cut them

Tripoint type contact provide more reliable termination for either solid or stranded cable

Ensure better date and signal transmitting

Bending resistant snap latch support 180 degrees bending over +30 times

Category 6A STP Toolless RJ45 Modular Plug
4.4


Carobben RJ-45 STP field termination plug for Cat.6A cable is the RJ45 plug of choice for time saving, efficient on-site assembly and requires no special termination tools. Suitable for all networks, from voice right through to 10 Gigabit Ethernet. The plug can be assembled on all standard types of solid and stranded cable with outer diameter of 6mm to 9mm OD and core sizes between 22 and 27AWG (core including insulation up to OD 1.6mm).

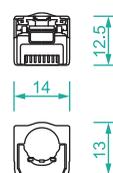
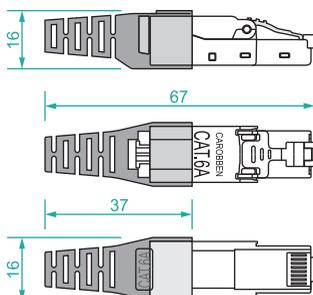
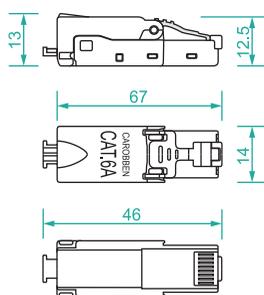
A strain relief boot and cable tie is supplied with each plug. Field Termination Plug for Category 6A Class EA, with 568B and PNO wiring label.


Order no.

CRBPLT09C6ASS

Description

Category 6A Modular Plug RJ-45 , Full Shielded , Easy to assemble without tools


Application

- Modular plug RJ-45 Category 6A , Shielded
- Easy to assemble without tools
- Use with solid round cable AWG 23-26 and stranded cable AWG 24-26
- Easy to wire and toolless installation
- Complies with EIA/TIA 568B.2-10
- Suitable for 6 to 9 mm diameter cables

Features

- Robust industrial fully shielded design
- Works with solid or stranded cable
- Suitable for use with a wide range of cable outer diameter and core sizes 6-9mm cable OD, 22-27 AWG cores
- Reusable (27AWG cable only reusable up to 5 times)
- No tools required for time saving and efficient termination on site
- Rated for 750 mechanical cycles

Material

- | | |
|-----------------------------------|---------------------------------------------------------------------|
| housing: nickel plated zinc-alloy | Contacts: 50 μ m/1.27 μ m gold plating over phosphor bronze |
| Plug cover: ABS | Plug latch: POM |
| IDC housing and cover: PC FR | IDC terminals/contacts: Tin plated phosphor bronze |
| Strain relief boot: PP | Cover and cable gland included |

4.5

French Type Universal Flat Face Plates



Carobben universal Flat face plates (45*45mm) & (22.5*45mm) flat use new environmental-friendly PC material. The face plates are for use in conjunction with keystone and other inserts. You can use appropriate keystone to create a nicely finished, professionally installed look for ethernet networks. Eliminate that mess of wires and hide them behind a wall with these face plates. Suitable for various modules and multimedia interfaces embedded chart and logo position make it easy to identify With position of inserted graph and label for convenient distinction.

**Order no.****Description**

CRBF1TBKW

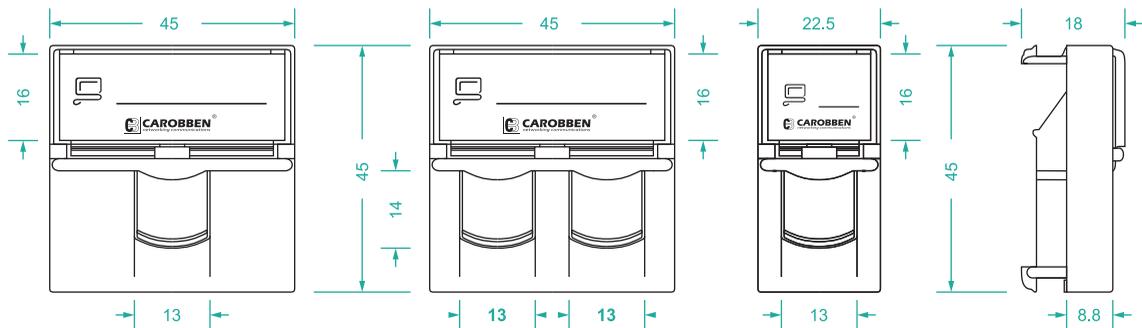
Universal Blank Port 22.5 x 45mm French type Flat Face Plate ,1 Port , with Transparent Shutter

CRBF1WBKW

Universal Blank Port 45 x 45mm French type Flat Face Plate ,1 Port , with Transparent Shutter

CRBF2WBKW

Universal Blank Port 45 x 45mm French type Flat Face Plate ,2 Port , with Transparent Shutter

**Application**

Product: Network 1&2 Port flat face plate

Type: France face plate

Application: Networking, Telecommunication

Color: White

Keyword: Face plate 22.5*45 & 45*45mm French Type

Material: ABS/PC

User for: Module keystone jack

With transparent shutter

Standard interface can be matched with any choice

Shutter design to avoid long-term dust accumulation

Lable can be replaced at any time, easy to manage

PC fire proof, silver contact inside

Inside parts in copper

Features

High quality, best price and elegant design

Easy Installation and safe operation

Can be used in many countries

Suitable for office, home, hotel and many other places



French Type Universal Angle Face Plates

4.6



Carobben universal Angle face plates (45*45mm) & (22.5*45mm) Angle use new environmental-friendly PC material. The Face plates are for use in conjunction with keystone and other inserts.

You can use appropriate keystones to create a nicely finished, professionally installed look for Ethernet networks. Eliminate that mess of wires and hide them behind a wall with these face plates. Suitable for various modules and multimedia interfaces. Embedded chart and logo position make it easy to identify. With position of inserted graph and label for convenient distinction.


Order no.
Description

CRBF1TAKW

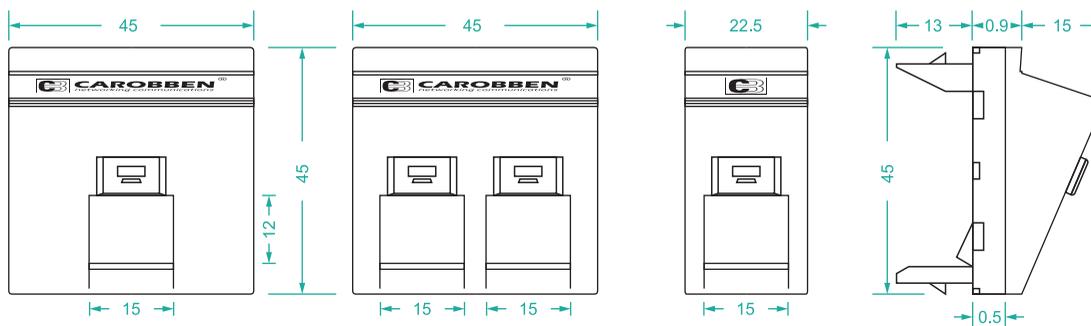
Universal Blank Port 22.5 x 45mm French type Angle Face Plate ,1 Port , with Shutter

CRBF1WAKW

Universal Blank Port 45 x 45mm French type Angle Face Plate ,1 Port , with Shutter

CRBF2WAKW

Universal Blank Port 45 x 45mm French type Angle Face Plate ,2 Port , with Shutter


Application

Product: Network 1&2 Port angle face plate

Type: France face plate

Application: Networking, Telecommunication

Color: White

Keyword: Face plate 22.5*45 & 45*45mm French Type

Material: ABS/PC

User for: Module keystone jack

With shutter

Standard interface can be matched with any choice

Shutter design to avoid long-term dust accumulation

Label can be replaced at any time, easy to manage

PC fire proof, silver contact inside

Inside parts in copper

Features

High quality, best price and elegant design

Easy Installation and safe operation

Can be used in many countries

Suitable for office, home, hotel and many other places



5

Premium Patch Cables for Data Centers and Enterprises



Elevate your network performance with Carobben`s premium patch cables, designed specifically for the rigorous demands of data centers and enterprise environments. As a leader in network cabling solutions, Carobben combines Italian craftsmanship with advanced technology to deliver patch cables that ensure unparalleled reliability, speed, and efficiency for your critical network infrastructure.

Carobben`s premium patch cables are engineered to provide superior performance and reliability, essential for the high-speed data transfer requirements of data centers and enterprises. Our cables are meticulously crafted using the highest quality materials, including oxygen-free copper conductors, which offer excellent conductivity and minimal signal loss. This ensures consistent, high-speed data transmission, even in the most demanding networking environments.

We offer an extensive range of patch cables to suit various networking needs. Our product lineup includes Cat5e, Cat6, Cat6A, and Cat7 cables, available in multiple lengths and configurations. Whether you need unshielded twisted pair cables for general networking purposes or shielded twisted pair cables for environments with high electromagnetic interference (EMI), Carobben has the perfect solution to meet your specific requirements.

Designed to withstand the rigorous conditions of data centers and enterprise networks, Carobben`s patch cables feature robust construction and enhanced durability. The cables are equipped with high-quality PVC or LSZH (Low Smoke Zero Halogen) jackets, providing excellent protection against physical wear and environmental factors. Despite their toughness, our cables maintain a high degree of flexibility, making them easy to install and manage in tight spaces.

At Carobben, we understand that ease of installation is critical for maintaining efficient network operations. Our patch cables are engineered with precision to ensure hassle-free installation. The snagless design protects the RJ45 connectors from damage during installation, while the molded strain relief boots enhance durability and reduce stress on the cable connections. Each cable is also clearly labeled for quick identification and organization.

Our premium patch cables are fully compliant with industry standards, ensuring compatibility with a wide range of networking equipment and devices. Carobben`s cables are tested to meet or exceed performance criteria set by standards organizations, guaranteeing that you receive products that deliver consistent, high-quality performance. By choosing Carobben, you can be confident that your network infrastructure is built on a foundation of excellence.

Innovation and quality are the cornerstones of Carobben`s product development philosophy. Our dedicated research and development team continuously explores new technologies and materials to enhance the performance and reliability of our patch cables. This commitment to excellence ensures that our products not only meet current industry standards but also anticipate future networking trends and requirements. Our cables combine superior performance, exceptional durability, and ease of installation, making them the ideal choice for any high-demand networking environment. Explore our comprehensive range of patch cables and experience the difference that Carobben`s Italian craftsmanship and innovation can make in your network infrastructure.



Premium Patch Cables for Data Centers and Enterprises

5

- 5.1 **CRBPNC6/6AUL003R/BU/GN/Y/BK**
- CRBPNC6/6AUL005R/BU/GN/Y/BK**
- CRBPNC6/6AUL010R/BU/GN/Y/BK**
- CRBPNC6/6AUL020R/BU/GN/Y/BK**
- CRBPNC6/6AUL030R/BU/GN/Y/BK**
- CRBPNC6/6AUL050R/BU/GN/Y/BK**



Category 6+/6A Patch Cable , U/UTP , 0.3/0.5/1/2/3/5m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors

Elevate your network connectivity with the exceptional performance of Carobben Category 6+/6A Max Twisted series U/UTP 680MHz network patch cables. Designed with LSZH jackets for added safety, these sleek patch cables not only provide high speed data transmission of up to 680MHz but also ensure minimal.....

- 5.2 **CRBPC6/6ASFL003BK**
- CRBPC6/6ASFL005BK**
- CRBPC6/6ASFL010BK**
- CRBPC6/6ASFL020BK**
- CRBPC6/6ASFL030BK**
- CRBPC6/6ASFL050BK**



Category 6+/6A Patch Cable , S/FTP , 0.3/0.5/1/2/3/5m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color

Upgrade your network connectivity with Carobben S/FTP Category 6+/6A 1.02GHz network patch cables. Designed for uncompromising performance, these sleek black cables not only deliver high-speed data transfer rates but also offer exceptional shielding to minimize interference & ensure reliable connections.....

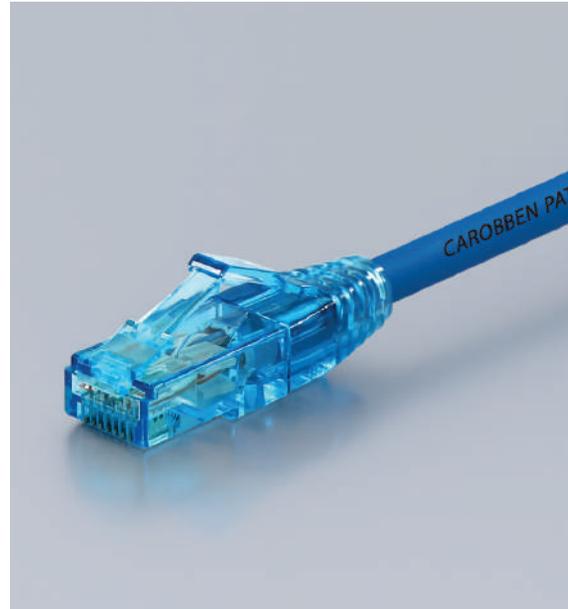
5.1

Max Twisted Series U/UTP Patch Cable LSZH



Elevate your network connectivity with the exceptional performance of Carobben Cat6+/6A Max Twisted series U/UTP 680MHz network patch cables. Designed with LSZH jackets for added safety, these sleek patch cables not only provide high speed data transmission of up to 680MHz but also ensure minimal smoke and toxicity in case of fire. Available in six convenient sizes (0.3m,0.5m,1m,2m,3m and 5m) patch cables offer the perfect fit for your networking requirements.

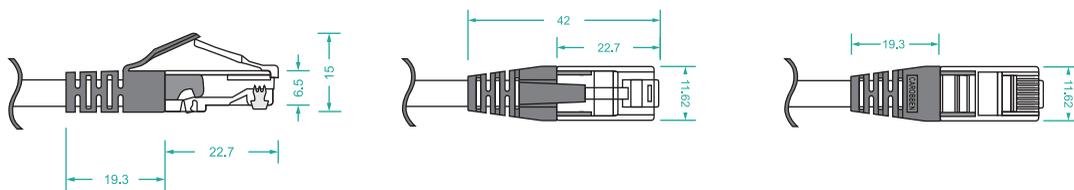
Crafted with precision and a commitment to quality, these cables guarantee seamless data transfer and unwavering signal integrity. Upgrade your networking setup today with Carobben Max Twisted Series U/UTP patch cables and experience the pinnacle of reliable and high-performance connectivity.



Order no.

Description

CRBPNC6/6AUL003R/BU/GN/Y/BK	Category 6+/6A Patch Cable , U/UTP , 0,3m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors
CRBPNC6/6AUL005R/BU/GN/Y/BK	Category 6+/6A Patch Cable , U/UTP , 0,5m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors
CRBPNC6/6AUL010R/BU/GN/Y/BK	Category 6+/6A Patch Cable , U/UTP , 1m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors
CRBPNC6/6AUL020R/BU/GN/Y/BK	Category 6+/6A Patch Cable , U/UTP , 2m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors
CRBPNC6/6AUL030R/BU/GN/Y/BK	Category 6+/6A Patch Cable , U/UTP , 3m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors
CRBPNC6/6AUL050R/BU/GN/Y/BK	Category 6+/6A Patch Cable , U/UTP , 5m , Max Twisted Series , LSZH Jacket , up to 680MHz , In 5 Colors



Application

Exceptional Connectivity:	High-performance Category 6+/6A U/UTP 680MHz patch cables designed to elevate your network experience
Precision RJ45 Connectors:	Specially engineered RJ45 connectors for optimal signal transmission and reliability
Enhanced Boot Design:	Critical boot design ensures secure connections and protects the cable ends from damage
50 Micron Gold Plating:	Gold plated connectors provide superior conductivity and corrosion resistance
LSZH Jackets:	Low Smoke Zero Halogen jackets prioritize safety by reducing smoke and toxicity in case of fire
Vibrant Color Options:	Available in a variety of striking colors to match your network setup
Range of Sizes:	Choose from six convenient sizes – 0.3m, 0.5m, 1m, 2m, 3m, and 5m – to suit your specific needs
Uncompromising Quality:	Crafted with meticulous attention to detail, ensuring excellent performance and longevity
Seamless Data Transfer:	Guarantees seamless data transfer and unwavering signal integrity
Reliable Performance:	Engineered for top-tier performance, making it an excellent choice for demanding network setups
Versatile Compatibility:	Suitable for various applications, from home networks to professional environments

Pro Shield Series S/FTP Patch Cable LSZH

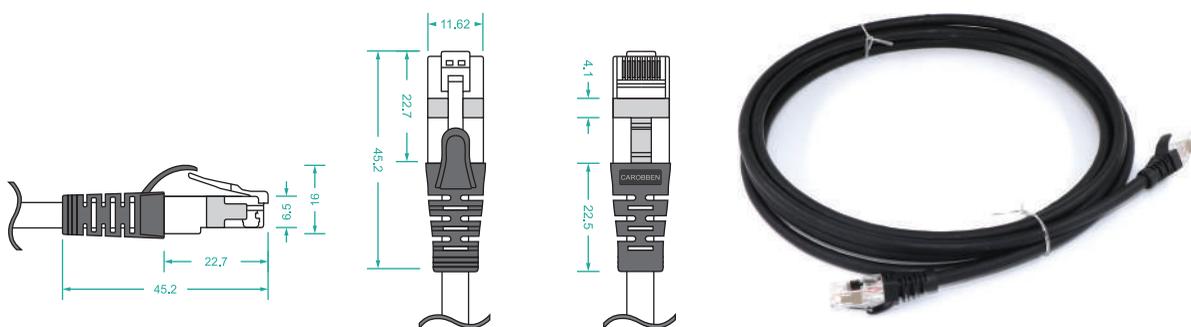
5.2



Upgrade your network connectivity with Carobben S/FTP Category 6+/6A 1.02GHz network patch cables. Designed for uncompromising performance, these sleek black cables not only deliver high-speed data transfer rates but also offer exceptional shielding to minimize interference & ensure reliable connections. Available in a range of sizes 0.3m, 0.5m, 1m, 2m, 3m, and 5m. Carobben patch cables provide the flexibility you need to set up your network according to your specifications. Engineered for excellence, these cables are crafted with precision and built to last, making them a reliable choice for your networking needs. Experience seamless communication and enhanced signal integrity with Carobben S/FTP Cat.6+/6A 1.02GHz patch cables the epitome of quality and performance.



Order no.	Description
CRBPC6/6ASFL003BK	Category 6+/6A Patch Cable , S/FTP , 0.3m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color
CRBPC6/6ASFL005BK	Category 6+/6A Patch Cable , S/FTP , 0.5m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color
CRBPC6/6ASFL010BK	Category 6+/6A Patch Cable , S/FTP , 1m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color
CRBPC6/6ASFL020BK	Category 6+/6A Patch Cable , S/FTP , 2m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color
CRBPC6/6ASFL030BK	Category 6+/6A Patch Cable , S/FTP , 3m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color
CRBPC6/6ASFL050BK	Category 6+/6A Patch Cable , S/FTP , 5m , LSZH Jacket , up to 1.02GHz , 26 AWG , Black Color



Application	
Exceptional Connectivity:	High-performance Category 6+/6A S/FTP 1.02GHz patch cables designed to elevate your network experience
Precision RJ45 Connectors:	Specially engineered RJ45 connectors for optimal signal transmission and reliability
Enhanced Boot Design:	Critical boot design ensures secure connections and protects the cable ends from damage
50 Micron Gold Plating:	Gold plated connectors provide superior conductivity and corrosion resistance
LSZH Jackets:	Low Smoke Zero Halogen jackets prioritize safety by reducing smoke and toxicity in case of fire
Vibrant Color Options:	Available in a variety of striking colors to match your network setup
Range of Sizes:	Choose from six convenient sizes – 0.3m, 0.5m, 1m, 2m, 3m, and 5m – to suit your specific needs
Uncompromising Quality:	Crafted with meticulous attention to detail, ensuring excellent performance and longevity
Seamless Data Transfer:	Guarantees seamless data transfer and unwavering signal integrity
Reliable Performance:	Engineered for top-tier performance, making it an excellent choice for demanding network setups
Versatile Compatibility:	Suitable for various applications, from home networks to professional environments

Environment-friendly



LSZH

LSZH (Low Smoke Zero Halogen) sheath according to test methods IEC 61034 (smoke density), IEC 60754-1 (gas toxicity), IEC 60754-2 (gas corrosiveness) for Tight buffered and Loose tube cables.

Flame retardant

Flame retardant (self extinguishing) according to IEC 60332-1 for Tight buffered and Loose tube cables.

Fire retardant

Fire retardant (no fire propagation along the cable) according to IEC 60332-3C for Tight buffered cables.



RoHS and REACH

RoHS compliance according to UE directive.

REACH compliance.

PeP available for the range.



networking communications

INNOVATION AND TECHNOLOGY LEADERSHIP

At the core of CAROBBEN's success is our relentless pursuit of innovation and technological excellence



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