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- EU CE safety certified products
- ROHS Green Environmental Certification Products
- ISO9001 (2015) Quality Management System Certification



Guangdong Changcheng Communication Technology Co., Ltd

Copper cable integrated wiring Product Catalog

Good data, made by Chang Cheng



Guangdong Changcheng Communication Technology Co., Ltd

NO.1 Fuling Road. Fuzhushan. Liaobu Town,.Dongguan. Guangdong.China

integrated wiring · optical fiber and cable



Various colors

Colorful trends and novel fashion colors, easy to distinguish floors, computer rooms, companies, Internet cafes, etc

(The colorful trend is novel and fashionable, which can be used to distinguish the floors, the machine rooms, the Internet bars, etc.)



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Guangdong Changcheng Communication Technology Co., Ltd. is a limited liability company established in 2014, located in NO.1 Foling Road, Fuzhushan, Liaobu Town, Dongguan City, Guangdong Province. The company has always adhered to the business philosophy of technology first, people-oriented, and honest and trustworthy", focusing on the research and development of sheet metal chassis, network cabinets, high-density distribution frames, ordinary jumpers, and special jumper products. We always adhere to obtaining recognition from our partners with better quality and better service. The company has 9 patents for various types of products, and since 2018, the company has also established an industry university research cooperation with South China University of Technology. The company has successively obtained ISO, CE, ROHS, UL and other quality system certifications, and in 2018, it was recognized as a "National High tech Enterprise", "Excellent Communication Maintenance Product in Guangdong Province", "China Excellent Optical Cable Brand" and other honorary titles. At present, China Telecom is our long-term strategic partner! Our cooperation with customers is not about short-term benefits, but about winning common progress through quality! Sincere Expectations Join hands with you to create a better future!



Integrated wiring system

brief introduction

Compared with traditional cabling, generic cabling has many advantages, which can not be compared with traditional cabling. What are the characteristics of generic cabling? The generic cabling system is characterized by compatibility, openness, flexibility, economy, reliability, progressiveness and security. Below, Shandong Langkun editor will provide a detailed introduction to several major characteristics of comprehensive cabling.

- (1) Compatibility: The primary characteristic of generic cabling is its compatibility. The so-called compatibility refers to its complete independence and relative independence from the application system, which can be applied to various application systems.
- (2) Openness: For traditional wiring methods, as long as users select a certain device, they also choose the corresponding wiring method and transmission media. If you replace another device, all the original wiring will need to be replaced. For a completed building, this change is very difficult and requires a lot of investment.
- (3) Flexibility: Traditional cabling methods are closed and have a fixed architecture, making it difficult and even impossible to migrate or add devices.
- (4) Reliability: Traditional wiring methods often require multiple wiring schemes in a building due to the incompatibility of various application systems. Therefore, the reliability of the building system needs to be ensured by the reliability of the selected wiring. When the wiring of various application systems is not appropriate, it can also cause cross interference.
- (5) Progressiveness: Integrated wiring, which adopts the hybrid wiring mode of optical fiber and twisted pair, reasonably forms a complete set of wiring.
- (6) Economy: Comprehensive cabling has economic advantages over traditional cabling, as it can adapt to long-term needs. Traditional cabling renovation is time-consuming, and the losses caused by work delays cannot be calculated in monetary terms.
- (7) Security: The twisted state of the twisted cable pair and the use of shielded wiring and optical fibers in the comprehensive wiring system have been improved through high-level manufacturing processes and comprehensive quality control, effectively improving the ability of the wiring system to prevent information leakage and resist the influence of external electrical and magnetic interference sources. This has also laid the foundation for the physical conditions of network security.

THE SOLUTION OF THE USED LAN

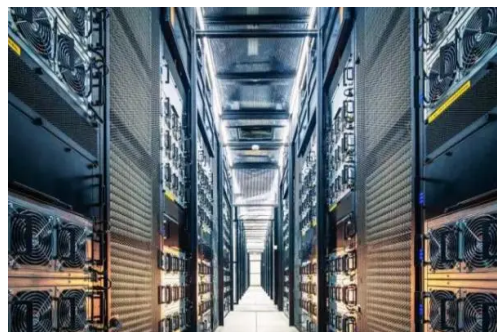
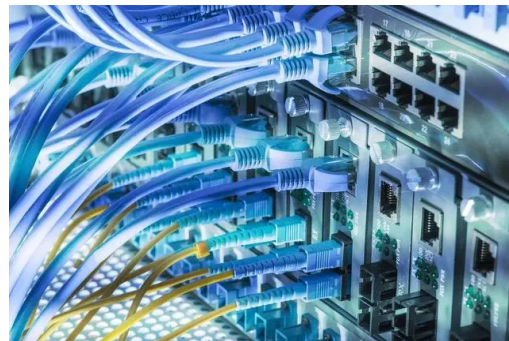


Commercial Building Wiring Plan

According to the TIA-568C standard, it can support communication cabling solutions in multiple product and application environments. A complete end-to-end information platform for communication product design for commercial building enterprise users.

10G Ethernet wiring scheme

According to the requirements of transmission performance in TSB-155 standard, the modular design is adopted to facilitate future capacity expansion. At the same time, it provides a full series of end-to-end shielding wiring scheme, effectively reducing the problems of line crosstalk during use after installation.



Data Center Cabling Scheme

According to the requirements of structured wiring in TIA-942 standard, provide high performance, high redundant pre-terminal optical cable wiring scheme. The whole series of optical fiber link module design, can be directly placed in the machine room of the new generation of optical fiber products.

Industrial wiring scheme

According to the requirements of TIA-1055 standard, the shielding wiring scheme is provided to effectively reduce the EMI problem, and the standard IP67 connector kit is adopted, which can effectively prevent the invasion of water and dust, apply for harsh environment, to ensure the quality of signal transmission.



Perfect to perfection Originating from CCOFC laboratory

As a manufacturer of integrated wiring products, the establishment of a laboratory is actively important. Changcheng Wiring (UL) Laboratory was established in 2016, focusing on the development, design, experimentation, and testing of CCOFC integrated wiring products. At the same time, the laboratory is also the strongest reliance for product quality supervision.



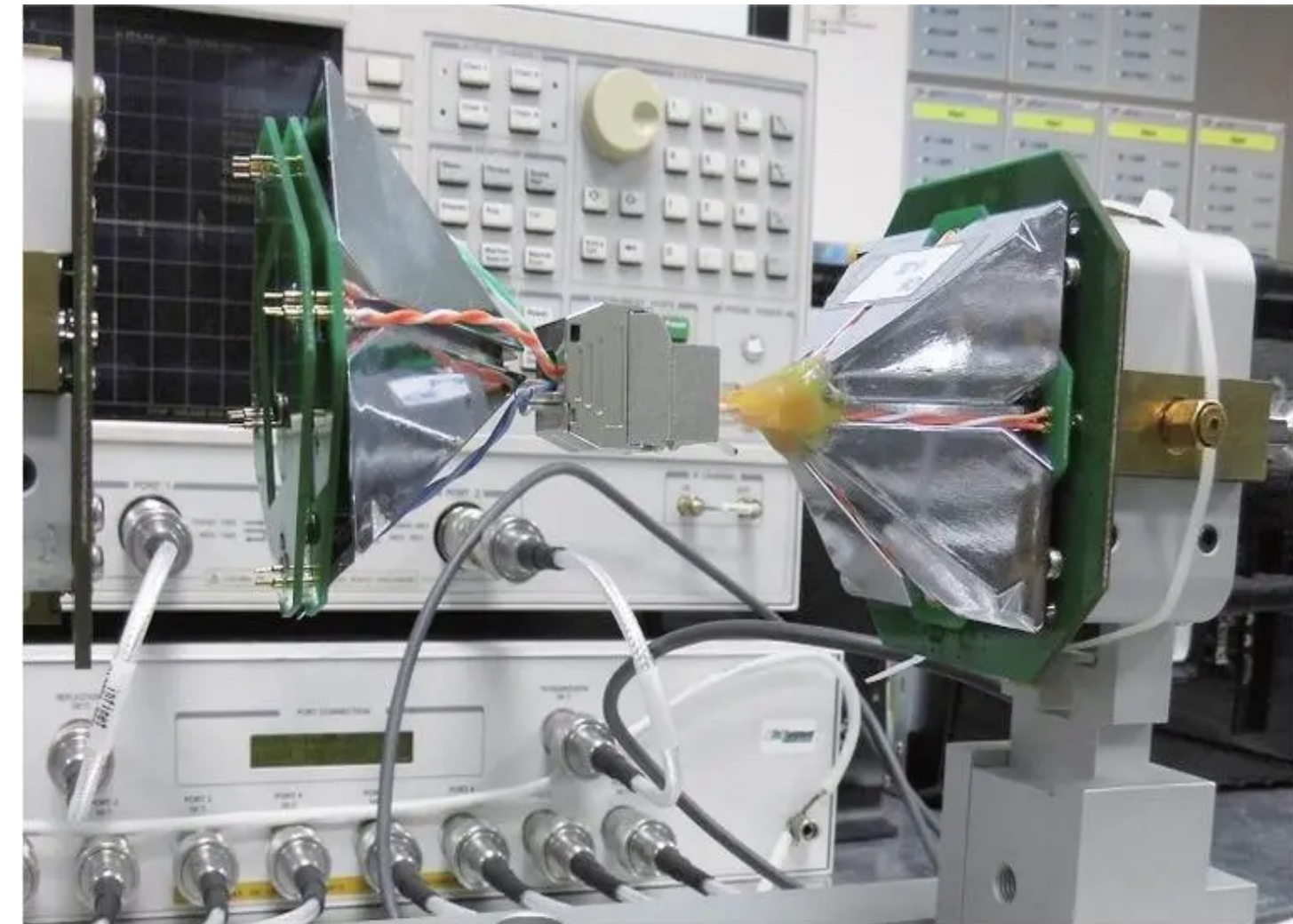
Faced with the development of future ultra high speed network technology, CCOFC invested manpower and material resources to establish an exclusive UL laboratory in early 2013. At the same time, it introduced OCC's RE-Embedded testing equipment and testing fixtures, and in accordance with the ANSI/TIA 568-C-2 connection device specifications, it perfectly balanced the compatibility technology of the entire series of products.



After years of operation, the Changcheng brand has always required products to be designed and manufactured strictly in accordance with international standards, and all products must pass relevant testing and certification to ensure the matching and compatibility of product performance, and comply with the requirements of the ETL laboratory in the United States.



In addition to customer success, the entire series of CCOFC products comply with the ROHS directive requirements, and the raw materials do not contain six toxic elements: cadmium, lead, mercury, hexavalent chromium, polybrominated biphenyls, and polybrominated diphenyl ethers, eliminating pollution from the source. This is our specific manifestation of environmental protection.



At present, the Changcheng laboratory is equipped with a fuel line bracket that can be used for professional testing of simulating the deployment and expansion of six types, six packages, and one package; The laboratory currently has multiple testing equipment, the most critical of which is OCC's RE-Embedded testing equipment and testing model. The key to comprehensive cabling products lies in the stability, performance, and compatibility technology of the connection diagram. The RE-Embedded testing project is based on the specifications of ANSI/TIA 568-C-2 connector components, and includes more than 20 parameter characteristics such as Insertion Loss, Return Loss, NEXT, FEXT, etc. Through RE-Embedded testing, the product has the same level of compatibility, ensuring the performance of monomers and signaling systems.

Changcheng Laboratory also has DE Embedded testing equipment and test plugs for testing, which are tested according to the ANSI/TIA-568-B.2 specification. Other tests include a Plug Jack Insertion Cycle Tester with RJ45 port, with a test insertion cycle exceeding 1000 times. In the safety testing section, there are AC-DC-IR-SC Hipot tester and High Low Electric Cu current tester to ensure the safety characteristics of product use. In the metal oxidation testing section, there is a salt spray tester, which conducts metal oxidation tests at a salinity of 80 ° C5% for 24 hours and 48 hours, mainly testing the antioxidant properties of KEYSTONE gold fingers. In addition, the VEXUS 3D Manual Video measuring machine can assist in measuring micro dimensions such as circuits and gold fingers.

Changcheng Laboratory also has multiple portable inspection/testing instruments, including fiber end face detector, Fluke DSX-5000 CableAnalyze cable analyzer, Fluke DSX-5000 CertiFiber Pro fiber performance verification instrument, and EXFO optical time domain analyzer, to provide various tests and verifications.8

CORE CONCEPT SYSTEM

ADVANCE

CCOFC changcheng system is a comprehensive wiring system mainly for computer information network. It provides users with a complete and high-quality wiring structure. The use of the combined USEDLAN wiring system not only provides a flexible and reliable solution for the current needs of users, but also faces the development of high-speed network technology in the future.

OPENNESS

The CCOFC changcheng wiring system was originally designed as the infrastructure for information network services to support all solutions, so it meets the needs of today's and future business development. All electrical specifications are strictly based on ISO/IEC11801 and EIA/TIA 568C versions of the international standard, thus ensuring that it is a truly open system.

INTEGRITY

The five major product lines of CCOFC changcheng's cabling system, each of which can provide complete end-to-end connection services, solving all cabling problems in the corresponding field, truly achieving on-demand adaptability.

STABILITY

In addition to passing the certification of international ETL, Delta, SGS and the Ministry of Information Industry of China, CCOFC Changcheng products have been certified by FastLink Lab, which fundamentally ensures users' investment in informatization and builds the success of customers on our success.



Large scale enterprises are usually composed of several adjacent or non adjacent buildings, and the connection or external communication between these buildings requires the use of wired communication. Most copper or optical cables are transmission media. This subsystem is the backbone transmission line of intelligent buildings and also the backbone part of the comprehensive wiring system. The quality of its design, construction quality, and technical performance all directly affect the transmission effect of the comprehensive online system.

Building Group Main Subsystem

The management area subsystem consists of interconnected or interconnected distribution frames and jumpers. The management point provides a means of connecting other subsystems. Interconnection and interconnection allow you to locate or reset communication lines to different parts of the building, making it easier to manage communication lines.

Management area subsystem

The equipment room subsystem is the intersection point between the external introduction of the comprehensive wiring system and the building wiring. The ideal location for the equipment room should be in the middle of the main route of the building cluster, usually located on the first and second floors, and as close as possible to the location where the external communication line is introduced into the building. This subsystem consists of jumpers, connectors, and related connectors.

Equipment room subsystem

The horizontal wiring subsystem is a branch of comprehensive wiring, with characteristics such as wide coverage and multiple points. This subsystem includes cables from information modules to floor distribution frames and between the two. The network topology structure is a star shaped wiring structure, with floor distribution frames as the main nodes and information modules as sub nodes. The two are connected to each other through independent circuits.

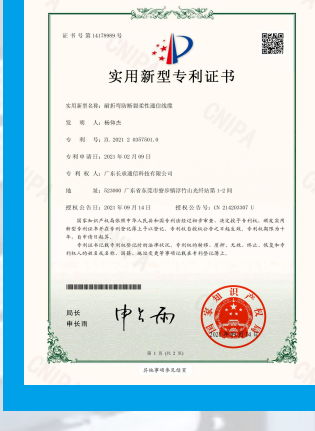
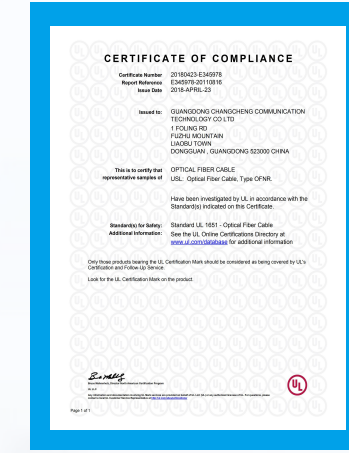
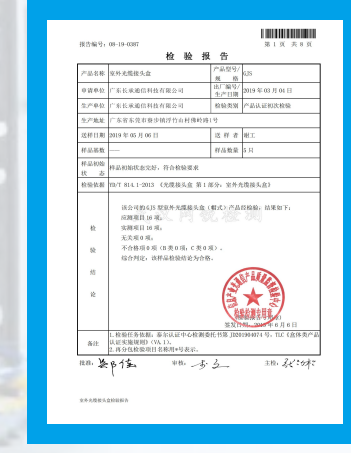
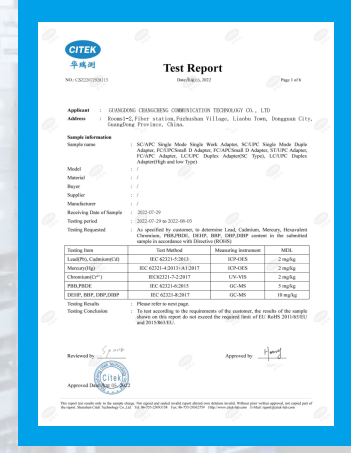
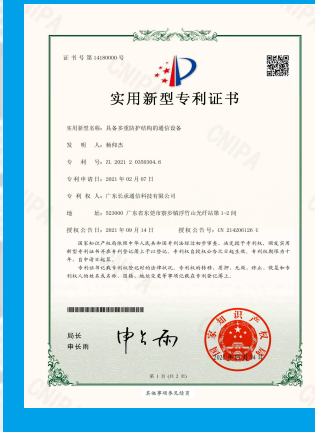
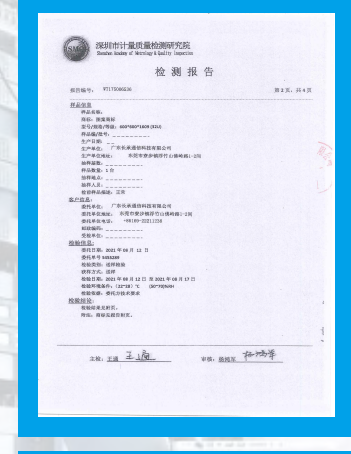
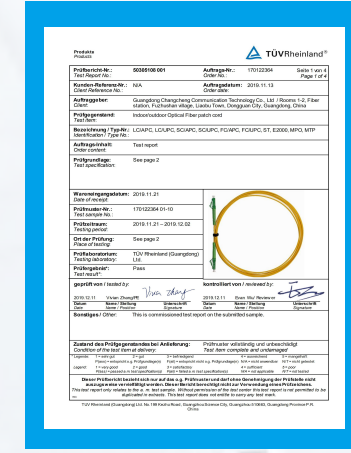
Horizontal subsystem

The vertical backbone subsystem is the routing part that provides the backbone cables of the building. Usually, multiple line facilities are provided between two units, especially between the main equipment of the system. The system uses copper or optical cables to connect the telecommunications wiring room with the equipment area to achieve communication inside the building. These equipment areas can be either a main equipment room or multiple equipment units inside the building.

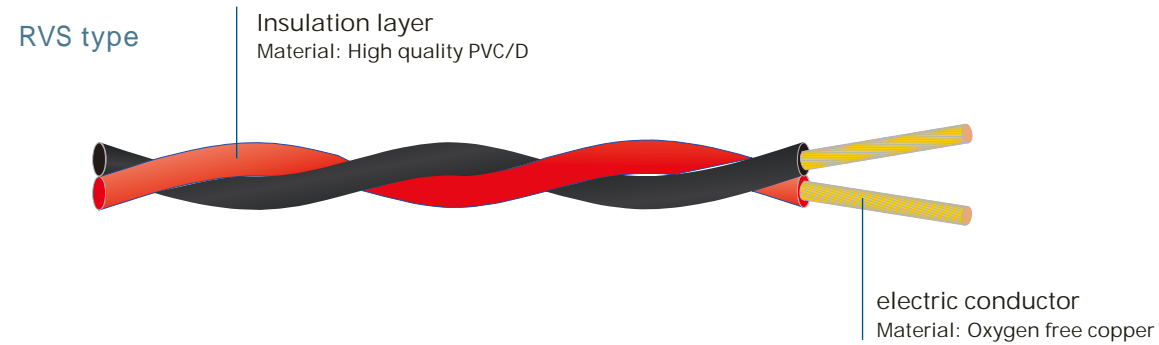
Vertical backbone subsystem

The work area subsystem is the branch end of the comprehensive cabling system, which connects the wiring from the information socket to the work point (computer, phone, printer, wireless AP, and other IP devices) itself; The main purpose is to make it easier to connect and manage tasks such as moving, adding, and changing in the future.

Workspace subsystem



Flexible wires for copper conductor PVC insulated twisted connections



technical parameter

Executive standard: JB/T8734.3-2012
 Rated voltage: U_0/U is 300/300V
 Rated temperature: 70



Product Application

Suitable for electrical appliances, instruments, and power lighting with AC rated voltage U_0/U of 300/300V and below.

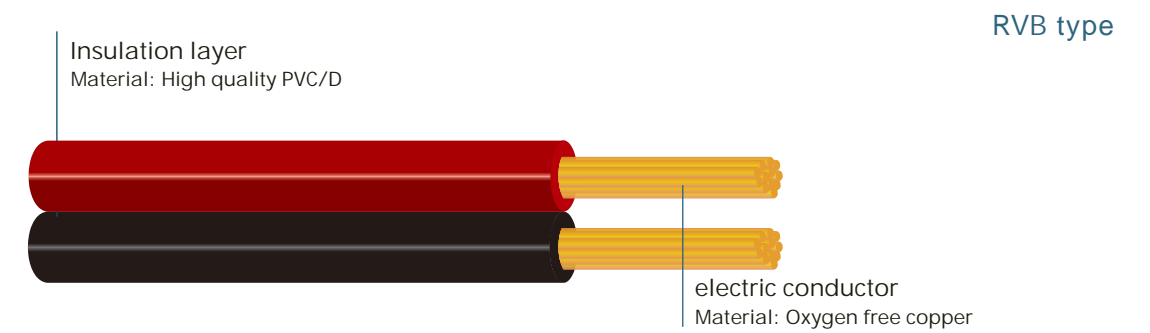
Usage characteristics

1. The long-term allowable working temperature of the cable should not exceed 70
2. The cable laying temperature should not be lower than 0
3. The allowable bending radius should not be less than 4D when the outer diameter D of the cable is less than 25mm, and should not be less than 4D when the outer diameter D of the cable is 25mm and above
4. The insulation material is high-quality PVC, which is anti-aging, abrasion resistant, waterproof, oil resistant, chemical corrosion resistant, non-toxic and other characteristics
5. 100m/200m/300m per roll or custom length

Comprehensive Data of RVS Type 300/300V Copper Core PVC Insulated Twisted Flexible Wire for Connection						
Core wire X-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Average outer diameter (mm) upper limit	Maximum conductor resistance at 20 (/KM)		Core wire X insulation resistance at 70 Minimum value (M /KM)
				Copper core	Tinned copper core	
RVS2X0.50	28/0.15	0.8	6	39	40.1	0.016
RVS2X0.75	42/0.15	0.8	6.2	26	26.7	0.014
RVS2X1.0	56/0.15	0.8	6.6	19.5	20	0.011
RVS2X1.5	84/0.15	0.8	7.2	13.3	13.7	0.010
RVS2X2.5	140/0.15	0.8	8.2	7.98	8.21	0.009
RVS2X4	224/0.15	0.8	9.2	4.95	5.09	0.007
RVS2X6	189/0.20	1.0	10.60	3.30	3.39	0.006

RVS, RVB Wire Specification Table				
model	rated voltage	Number of cores	Nominal cross-section mm ²	Structural parameter table number
RVS	300/300	2	0.5-6	Specification requirements in the table above
RVB	300/300	2	0.5-6	Specification requirements in the table above

Flexible wires for copper conductor PVC insulated flat connection



technical parameter

Executive standard: JB/T8734.3-2012
 Rated voltage: U_0/U is 300/300V
 Rated temperature: 70



Product Application

Usage characteristics

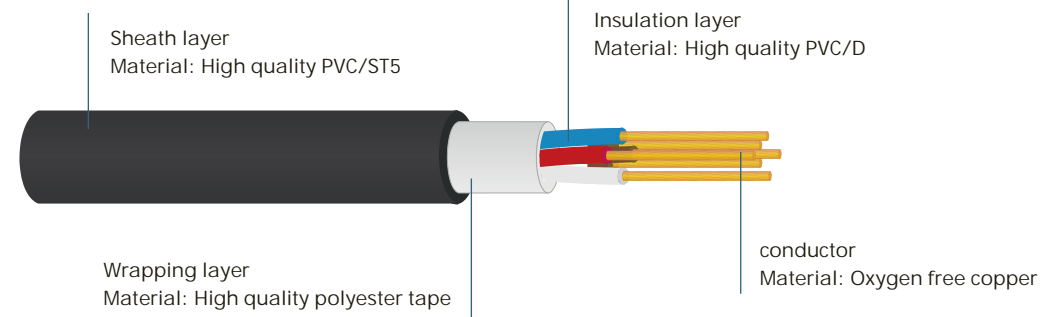
1. The long-term allowable working temperature of the cable should not exceed 70
2. The cable laying temperature should not be lower than 0
3. The allowable bending radius should not be less than 4D when the outer diameter D of the cable is less than 25mm, and should not be less than 4D when the outer diameter D of the cable is 25mm and above
4. The insulation material is high-quality PVC, which is anti-aging, abrasion resistant, waterproof, oil resistant, chemical corrosion resistant, non-toxic and other characteristics
5. 100m/200m/300m per roll or custom length

Comprehensive Data of RVB Type 300/300V Copper Core PVC Insulated Twisted Flexible Wire for Connection						
Core wire X-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Average overall size (mm)	Maximum conductor resistance at 20 (/KM)		Core wire X insulation resistance at 70 Minimum value (M /KM)
				Lower/Upper Limits	Copper core	
RVB2X0.50	28/0.15	0.8	2.5X5.0 3.0X6.0	39	40.1	0.016
RVB2X0.75	42/0.15	0.8	2.7X5.4 3.2X6.4	26	26.7	0.014
RVB2X1.0	56/0.15	0.8	2.8X5.6 3.3X6.6	19.5	20	0.012
RVB2X1.5	84/0.15	0.8	3.0X6.0 3.6X7.2	13.3	13.7	0.011
RVB2X2.5	140/0.15	0.8	3.4X6.8 4.1X8.2	7.98	8.21	0.010
RVB2X4	224/0.15	0.8	4.3X8.6 5.2X10.4	4.95	5.09	0.008
RVB2X6	189/0.20	1.0	4.8X9.6 5.8X11.6	3.30	3.39	0.0065

RVS, RVB Wire Specification Table				
model	rated voltage	Number of cores	Nominal cross-section mm ²	Structural parameter table number
RVS	300/300	2	0.5-6	Specification requirements in the table above
RVB	300/300	2	0.5-6	Specification requirements in the table above

Copper conductor PVC insulated PVC sheathed flexible wire

RVV type



technical parameter

Executive standard: GB/T5023.4-2008
 Rated voltage: U_0/U is 300/500V
 Rated temperature: 70



Product Application

This product is suitable for control of weak current equipment, transmission of communication signals, and power supply lines for broadcasting and weak current equipment.

Usage characteristics

1. The long-term allowable working temperature of the cable should not exceed 70
 2. The cable laying temperature should not be lower than 0
 3. The allowable bending radius should not be less than 4D when the outer diameter D of the cable is less than 25mm, and should not be less than 4D when the outer diameter D of the cable is 25mm and above
 4. The insulation material is high-quality PVC, which is anti-aging, abrasion resistant, waterproof, oil resistant, chemical corrosion resistant, non-toxic and other characteristics
5. 100m/200m/300m per roll or custom length

Core wire X-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Specified value of sheath thickness (mm)	Average outer diameter (mm)		Maximum conductor resistance at 20 (/KM)		Insulation resistance at 70 Minimum value (M /KM)
				lower limit	upper limit	Copper core	Tinned copper core	
RVV2X0.50	16/0.20	0.50	0.60	4.6 3.0X4.9	5.9 3.7X5.9	39	40.1	0.012
RVV2X0.75	24/0.20	0.50	0.60	4.9 3.2X5.2	6.3 3.8X6.3	26	26.7	0.01
RVV3X0.50	16/0.20	0.50	0.60	4.90	6.30	39	40.1	0.012
RVV3X0.75	24/0.20	0.50	0.60	5.20	6.70	26	26.7	0.01

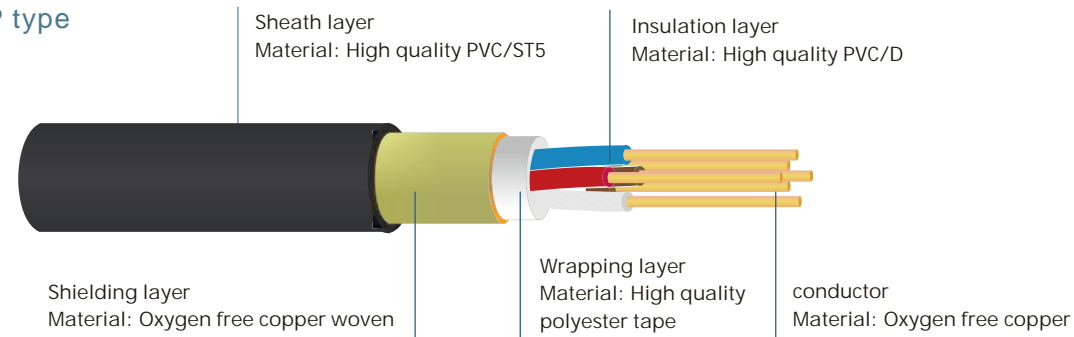
Core wire X-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Specified value of sheath thickness (mm)	Average outer diameter (mm)		Maximum conductor resistance at 20 (/KM)		Insulation resistance at 90 Minimum value (M /KM)
				lower limit	upper limit	Copper core	Tinned copper core	
RVV2X0.50	16/0.20	0.50	0.60	4.6 3.0X4.9	5.9 3.7X5.9	39	40.1	0.012
RVV2X0.75	24/0.20	0.50	0.60	4.9 3.2X5.2	6.3 3.8X6.3	26	26.7	0.01
RVV3X0.50	16/0.20	0.50	0.60	4.90	6.30	39	40.1	0.012
RVV3X0.75	24/0.20	0.50	0.60	5.20	6.70	26	26.7	0.01

Core wire X-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Specified value of sheath thickness (mm)	Average outer diameter (mm)		Maximum conductor resistance at 20 (/KM)		Minimum insulation resistance at 70 (MQ/KM)
				lower limit	upper limit	Copper core	Tinned copper core	
RVV2X0.75	24/0.20	0.60	0.80	5.7 3.7X6.0	7.2 4.5X7.2	26	26.7	0.011
RVV2X1.0	32/0.20	0.60	0.80	5.9 3.9X6.2	7.5 4.7X7.5	19.2	20	0.01
RVV2X1.5	30/0.25	0.70	0.80	6.80	8.60	13.3	13.7	0.01
RVV2X2.5	49/0.25	0.80	1.00	8.40	10.60	7.98	8.21	0.009
RVV3X0.75	24/0.20	0.60	0.8	6	7.6	26	26.7	0.011
RVV3X1.0	32/0.20	0.60	0.8	6.3	8	19.2	20	0.01
RVV3X1.5	30/0.25	0.70	0.9	7.4	9.4	13.3	13.7	0.01
RVV3X2.5	49/0.25	0.80	1.1	9.2	11.4	7.98	8.21	0.009
RVV4X0.75	24/0.20	0.60	0.8	6.6	8.3	26	26.7	0.011
RVV4X1.0	32/0.20	0.60	0.9	7.1	9	19.2	20	0.01
RVV4X1.5	30/0.25	0.70	1	8.4	10.5	13.3	13.7	0.01
RVV4X2.5	49/0.25	0.80	1.1	10.1	12.5	7.98	8.21	0.009
RVV5X0.75	24/0.20	0.60	0.9	7.4	9.3	26	26.7	0.011
RVV5X1.0	32/0.20	0.60	0.9	7.8	9.8	19.2	20	0.01
RVV5X1.5	30/0.25	0.70	1.1	9.3	11.6	13.3	13.7	0.01
RVV5X2.5	49/0.25	0.80	1.2	11.2	13.9	7.98	8.21	0.009

Core wire X-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Specified value of sheath thickness (mm)	Average outer diameter (mm)		Maximum conductor resistance at 20 (/KM)		Minimum insulation resistance at 90 (MQ/KM)
				lower limit	upper limit	Copper core	Tinned copper core	
RVV2X0.75	24/0.20	0.50	0.80	5.7 3.7X6.0	7.2 4.5X7.2	26	26.7	0.011
RVV2X1.0	32/0.20	0.60	0.80	5.9 3.9X6.2	7.5 4.7X7.5	19.5	20	0.01
RVV2X1.5	30/0.25	0.70	0.80	6.80	8.60	13.3	13.7	0.01
RVV2X2.5	49/0.25	0.80	1.00	5.20	8.40	10.6	8.21	0.009
RVV3X0.75	24/0.20	0.6	0.8	6	7.6	26	26.7	0.011
RVV3X1.0	32/0.20	0.6	0.8	6.3	8	19.5	20	0.01
RVV3X1.5	30/0.25	0.7	0.9	7.4	9.4	13.3	13.7	0.01
RVV3X2.5	49/0.25	0.8	1.1	9.2	11.4	7.98	8.21	0.009
RVV4X0.75	24/0.20	0.6	0.8	6.6	8.3	26	26.7	0.011
RVV4X1.0	32/0.20	0.6	0.9	7.1	9	19.5	20	0.01
RVV4X1.5	30/0.25	0.7	1	8.4	10.5	13.3	13.7	0.01
RVV4X2.5	49/0.25	0.8	1.1	10.1	12.5	7.98	8.21	0.009
RVV5X0.75	24/0.20	0.6	0.9	7.4	9.3	26	26.7	0.011
RVV5X1.0	32/0.20	0.6	0.9	7.8	9.8	19.5	20	0.01
RVV5X1.5	30/0.25	0.7	1.1	9.3	11.6	13.3	13.7	0.01
RVV5X2.5	49/0.25	0.8	1.2	11.2	13.9	7.98	8.21	0.009

Copper conductor PVC insulated shielded PVC sheathed flexible wire

RVVP type



technical parameter

Executive standard: JB/T8734.5-2012
 Rated voltage: U_0/U is 300/300V
 Rated temperature: 70



Product Application

Suitable for use in intelligent building automation control systems, anti-theft alarms, one card systems, smart homes, mechanical instruments, and electronic equipment that require shielding and anti-interference systems

Usage characteristics

1. The long-term allowable working temperature of the cable should not exceed 70
2. The cable laying temperature should not be lower than 0
3. The allowable bending radius should not be less than 4D when the outer diameter D of the cable is less than 25mm, and not less than 6D when the outer diameter D of the cable is 25mm or above.
4. The shielding should be high-density woven or wrapped with bare copper wire, effectively blocking external electromagnetic interference
5. The sheath material is high-quality PVC, anti-aging, abrasion resistant, waterproof, oil resistant, chemical corrosion resistant, non-toxic and other characteristics
6. 100m/200m/300m per roll or custom length

Comprehensive data of RWP/RWP1 type 300/300V copper core PVC insulated shielded PVC sheathed flexible wire									
Core wire X nominal cross-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Single wire diameter of shielding layer (mm)	Average outer dimension of sheath thickness (mm)		Maximum conductor resistance at 20 (/KM)		Minimum insulation resistance at 70 (MQ/KM)	
				Specified value (mm)	lower limit	upper limit	Copper core		Tinned copper core
RWP2X0.50	28/0.15	0.5	0.15	0.6	5.3 3.7X5.6	6.8 4.5X6.8	39	40.1	20.012
RWP2X0.75	39/0.15	0.5	0.15	0.6	5.8 4.0X6.1	7.4 4.8X7.4	26	26.7	0.01
RWP2X1.0	32/0.20	0.6	0.15	0.6	6.4 4.3X6.7	8.2 5.2X8.3	19.5	20	0.01
RWP2X1.5	48/0.20	0.6	0.15	0.8	7.3 4.9X7.6	9.2 6.0X9.3	13.3	13.7	0.009
RWP2X2.5	80/0.2	0.8	0.15	0.8	8.9	10.9	7.98	8.21	0.009
RWP3X0.50	28/0.15	0.5	0.15	0.6	5.6	7.1	39	40.1	0.012
RWP3X0.75	39/0.15	0.5	0.15	0.6	6.1	7.8	26	26.7	0.01
RWP3X1.0	32/0.20	0.6	0.15	0.6	7.2	9.1	19.5	20	0.01
RWP3X1.5	48/0.20	0.6	0.15	0.8	8	10	13.3	13.7	0.009
RWP3X2.5	80/0.2	0.8	0.15	0.8	9.5	11.5	7.98	8.21	0.009
RWP4X0.50	28/0.15	0.5	0.15	0.6	6.3	8.3	39	40.1	0.012
RWP4X0.75	39/0.15	0.5	0.15	0.6	6.8	8.8	26	26.7	0.01

Core wire X nominal cross-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Single wire diameter of shielding layer (mm)	Average outer dimension of sheath thickness (mm)			Maximum conductor resistance at 20 (/KM)		Minimum insulation resistance at 70 (MQ/KM)
				Specified value (mm)	lower limit	upper limit	Copper core	Tinned copper core	
RWP4X1.0	32/0.20	0.6	0.15	0.6	7.7	9.7	19.5	20	0.01
RWP4X1.5	48/0.20	0.6	0.15	0.8	8.8	10.8	13.3	13.7	0.009
RWP4X2.5	80/0.2	0.8	0.15	0.8	10.2	12.2	7.98	8.21	0.009
RWP5X0.50	28/0.15	0.5	0.15	0.6	6.8	8.8	39	40.1	0.012
RWP5X0.75	39/0.15	0.5	0.15	0.6	7.3	9.3	26	26.7	0.01
RWP5X1.0	32/0.20	0.6	0.15	0.8	8.4	10.4	19.5	20	0.01
RWP5X1.5	48/0.20	0.6	0.15	0.8	9.6	11.6	13.3	13.7	0.009
RWP5X2.5	80/0.2	0.8	0.15	0.8	11.9	13.9	7.98	8.21	0.009
RWP6X0.50	28/0.15	0.5	0.15	0.8	7.4	9.4	39	40.1	0.012
RWP6X0.75	39/0.15	0.5	0.15	0.8	8.1	10.1	26	26.7	0.01
RWP6X1.0	32/0.20	0.6	0.15	0.8	9.1	11.1	19.5	20	0.01
RWP6X1.5	48/0.20	0.6	0.15	0.8	10.5	12.5	13.3	13.7	0.009
RWP6X2.5	80/0.2	0.8	0.15	1	13.4	15.4	7.98	8.21	0.009
RWP7X0.50	28/0.15	0.5	0.15	0.8	7.4	9.4	39	40.1	0.012
RWP7X0.75	39/0.15	0.5	0.15	0.8	8.1	10.1	26	26.7	0.01
RWP7X1.0	32/0.20	0.6	0.15	0.8	9.1	11.1	19.5	20	0.01
RWP7X1.5	48/0.20	0.6	0.15	0.8	10.5	12.5	13.3	13.7	0.009
RWP7X2.5	80/0.2	0.8	0.15	1	13.4	15.4	7.98	8.21	0.009
RWP8X0.50	28/0.15	0.5	0.15	0.8	7.7	8.8	39	40.1	0.012
RWP8X0.75	39/0.15	0.5	0.15	0.8	8.5	9.5	26	26.7	0.01
RWP8X1.0	32/0.20	0.6	0.15	1	10	11.1	19.5	20	0.01
RWP8X1.5	48/0.20	0.6	0.15	1	11.5	12.6	13.3	13.7	0.009
RWP8X2.5	80/0.2	0.8	0.15	1.2	14.2	15.3	7.98	8.21	0.009
RWP9X0.50	23/0.15	0.5	0.15	0.8	8.4	9.5	39	40.1	0.012
RWP9X0.75	39/0.15	0.4	0.15	1	9.8	10.9	26	26.7	0.01
RWP9X1.0	12/0.15	0.4	0.15	1.2	11.4	12.5	19.5	20	0.01

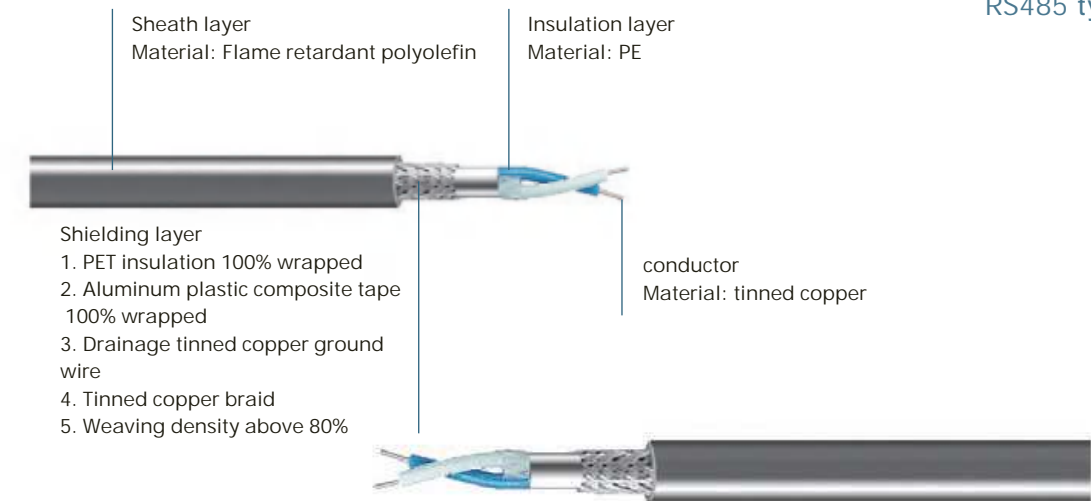
Copper conductor PVC insulated shielded PVC sheathed flexible wire

RVVP type

Core wire X nominal cross-section (mm ²)	Conductor structure (NO./mm)	Insulation thickness specified value (mm)	Single wire diameter of shielding layer (mm)	Average outer dimension of sheath thickness (mm)			Maximum conductor resistance at 20 (/KM)		Minimum insulation resistance at 70 (MO/KM)
				Specified value (mm)	lower limit	upper limit	Copper core	Tinned copper core	
RWP9X1.5	48/0.20	0.6	0.15	1.2	13.1	14.2	13.3	13.7	0.009
RWP9X2.5	80/0.2	0.8	0.15	1.2	15.6	16.7	7.98	8.21	0.009
RWP10X0.50	28/0.15	0.5	0.15	0.8	9.4	11.4	39	40.1	0.012
RWP10X0.75	39/0.15	0.5	0.15	0.8	10.3	12.3	26	26.7	0.01
RWP10X1.0	32/0.20	0.6	0.15	1	12.1	14.1	19.5	20	0.01
RWP10X1.5	48/0.20	0.6	0.15	1	13.9	15.9	13.3	13.7	0.009
RWP10X2.5	80/0.2	0.8	0.15	1.2	16.6	17.7	7.98	8.21	0.009
RWP11X0.50	28/0.15	0.5	0.15	0.8	9.3	10.4	39	40.1	0.012
RWP11X0.75	39/0.15	0.5	0.15	1	10.7	11.8	26	26.7	0.01
RWP11X1.0	32/0.20	0.6	0.15	1	12.1	13.2	19.5	20	0.01
RWP11X1.5	48/0.20	0.6	0.15	1	14	15.1	13.3	13.7	0.009
RWP11X2.5	80/0.2	0.8	0.15	1.2	17.3	18.4	7.98	8.21	0.009
RWP12X0.50	28/0.15	0.5	0.15	0.8	9.7	11.7	39	40.1	0.012
RWP12X0.75	39/0.15	0.5	0.15	1	11.1	13.1	26	26.7	0.01
RWP12X1.0	32/0.20	0.6	0.15	1	12.5	14.5	19.5	20	0.01
RWP12X1.5	48/0.20	0.6	0.15	1	14.4	16.4	13.3	13.7	0.009
RWP12X2.5	80/0.2	0.8	0.15	1.2	17.3	18.4	7.98	8.21	0.009
RWP14X0.50	28/0.15	0.5	0.15	0.8	12.5	14.5	39	40.1	0.012
RWP14X1.0	32/0.20	0.6	0.15	1	14.4	16.4	19.5	20	0.01
RWP16X0.50	28/0.15	0.5	0.15	0.8	13.5	15.1	39	40.1	0.012
RWP16X1.0	32/0.20	0.6	0.15	1	17.3	18.4	19.5	20	0.01
RWP19X0.50	28/0.15	0.5	0.15	1	18.5	19.2	39	40.1	0.012
RWP19X1.0	32/0.20	0.6	0.15	1	20.5	21.7	19.5	20	0.01
RWP24X0.50	28/0.15	0.5	0.15	0.8	19.6	21.2	39	40.1	0.012
RWP24X1.0	32/0.20	0.6	0.15	1	23.2	24.9	19.5	20	0.01

RS485 field data bus cable

RS485 type



◆ technical parameter

Executive standard: GB/T16657.2-2008 GB/T19666-2005
 Characteristic impedance: 120 ± 15
 Minimum bending radius: 15 times the outer diameter of the cable
 Working temperature: -40 to 70

◆ Product Application

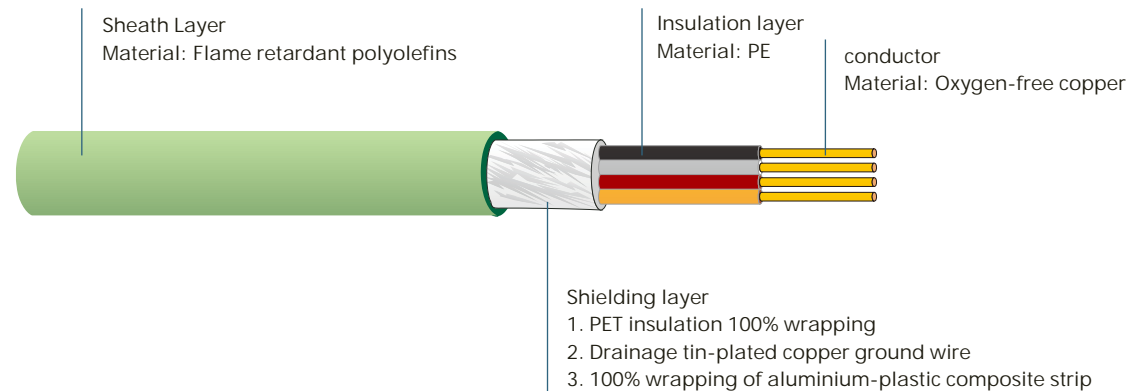
This product is suitable for power supply necessary for lighting, electric tools, etc. with an AC rated voltage of 300V or below. It can also transmit various control signals simultaneously, transmit audio signals with a DC voltage of 1000V or below, as well as fixed railway signals and transmission control lines for certain automatic devices.

◆ Usage characteristics

- Nominal characteristic impedance: 120
- Nominal capacitance (conductor conductor) at 1kHz: 42nF/km
- Nominal capacitance (conductor conductor shield) at 1kHz: 75.5nF/km
- DC resistance of conductor at 20 : 90.9 Q/km
- Nominal propagation speed: 66%
- Nominal delay time: 525ns/m
- Nominal attenuation at 1 MHz: 19.7 dB/km
- Maximum working voltage: 300V
- Recommended maximum working current: 2.1A (@ 25)

Bus cable for internal control system of smart building

BUS EIB type



technical parameter

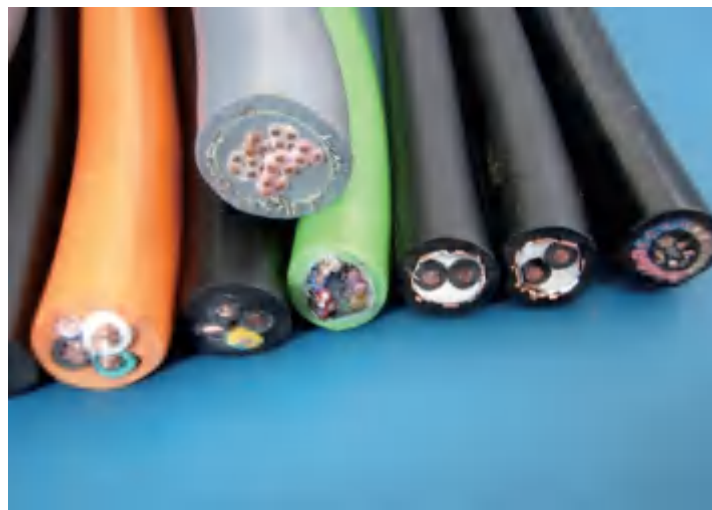
Execution standard: GB/Z20965-2007 GB/T19666-2005 characteristic impedance: 100 +15_
 Minimum bending radius: > 10 times cable outer diameter
 Operating Temperature: -40 C to 70 C

Product Application

Applicable to government agencies, science and technology exhibition halls, community gardens, conference halls, star hotels, city squares, residential villas and other intelligent control systems to connect and transmit signals.

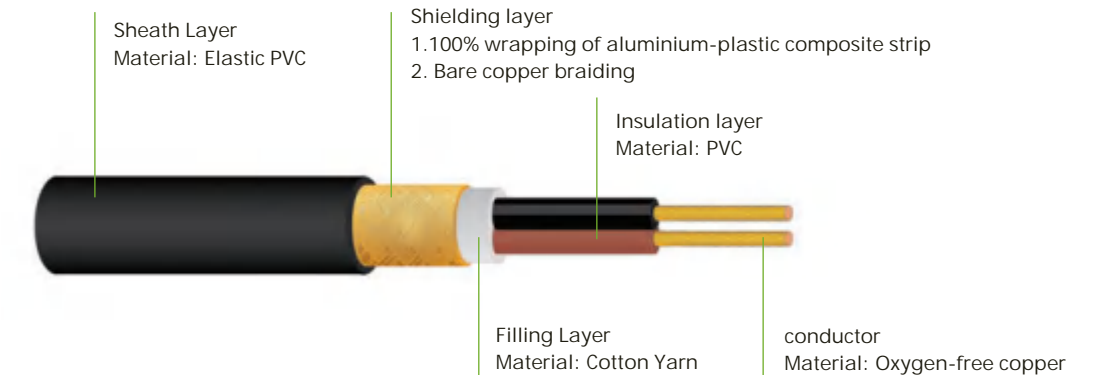
Use features

1. Voltage level: 250V
2. Loop resistance: 130_/km
3. Insulation impedance: minimum 100Mkm
4. Capacitance 800HZ: maximum 100nF/km
5. Decay 800HZ: about 1.2 dB/km
6. Use Temperature Range: Fixed Installation: -30 C to 70 C
7. Execution standards: conform to VDE0815 and EIB standards



Copper core PVC insulated PVC sheathed microphone special cable

HTP type



technical parameter

Reference standard: JB/T8734.5-2012
 Minimum bending radius: > 4 times cable outer diameter
 Operating Temperature: -15 to 70 degrees Celsius

technical parameter

Mainly used for the connection of microphone and audio equipment.

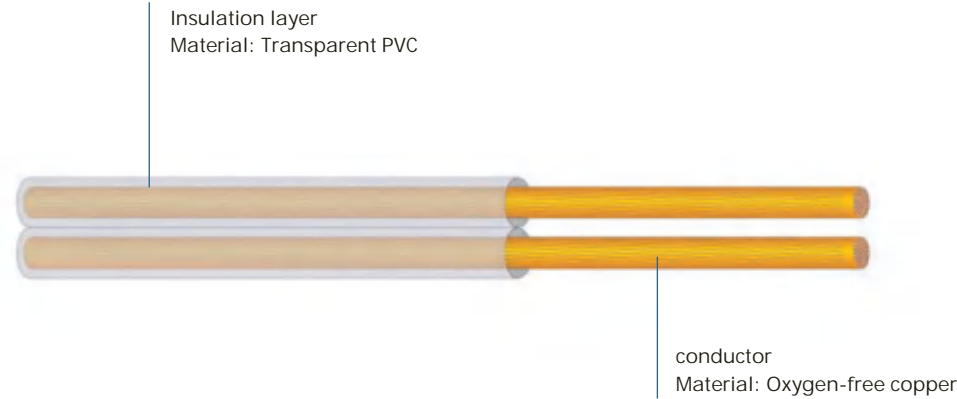
Use features

1. Aluminum foil with braided copper wire acts as double shielding to effectively block external clutter signal interference
2. Wire is woven into a network in multiple strips, which has high shielding characteristics and is applied to professional stage performances and devices that need to be moved.
3. Use aluminium foil characteristics to shield the periphery of the wire with aluminium foil. Match a ground wire for grounding. The shielding effect is good, and it is more suitable for engineering installation or stage.

product name	Specification and model	Conductor /mm	Insulation /mm	Process structure		Packaging specifications (pieces)
				Shielding structure	sheat	
Microphone dual microphone cable	RVVP 2X0.2 (Edition 64)	12/0.15 BC	PVC φ 1.4	1. Aluminum foil 2. Woven 64/0.08 BC	Elastic black PVC	90 meters/roll X14 (box)
Microphone dual microphone cable	RVVP 2X0.3 (Edition 80)	16/0.15 BC	PVC φ 1.7	1. Aluminum foil 2. Woven 80/0.08 BC	Elastic black PVC	90 meters/roll X10 (box)
Microphone dual microphone cable	RVVP 2X0.3 (Edition 128)	16/0.15 BC	PVC φ 1.7	1. Aluminum foil 2. Woven 128/0.08 BC	Elastic black PVC	90 meters/roll X10 (box) 200 meters/box X3 (box)
Microphone dual microphone cable	RVVP 2X0.5 (Edition 96)	28/0.15 BC	PVC φ 2.0	1. Aluminum foil 2. Woven 128/0.08 BC	Elastic black PVC	90 meters/roll X10 (box) 200 meters/box X3 (box)
Microphone dual microphone cable	RVVP 2X0.75 (Edition 128)	42/0.15 BC	PVC φ 2.4	1. Aluminum foil 2. Woven 128/0.08 BC	Elastic black PVC	90 meters/roll X10 (box) 200 meters/box X3 (box)
Soft microphone dedicated cable	RVVP 2 × 0.3 (soft type)	16/0.15 BC	PVC φ 1.7	1. Aluminum foil 2. Winding 56/0.12 TC	Elastic black PVC	90 meters/roll X10 (box) 200 meters/box X3 (box)
Soft microphone dedicated cable	RVVP1 2 × 0.5 (soft type)	28/0.15 BC	PVC φ 2.0	1. Aluminum foil 2. Winding 56/0.12 TC	Elastic black PVC	90 meters/roll X10 (box) 200 meters/box X3 (box)

Copper core PVC insulated engineering audio dedicated connection wire

YXB type



technical parameter

Reference standard: Enterprise standard refers to JB/T8734.3-2012
 Minimum bending radius: 4 times the outer diameter of the cable
 Working temperature: -15 to 70

Product Application

Sound engineering, home theater, car audio, conference room and other system wiring, connecting power amplifier and Italy box, especially suitable for connecting surround sound speakers, used to transmit audio signals.

Usage characteristics

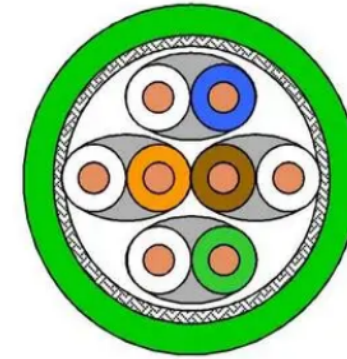
1. Frequency range: 20Hz-20KHz
2. Installation temperature: 0 to 50
3. Operating temperature: -25 to 70



Core wire	Number of conductor cores	Nominal cross-section mm ²	Insulation thickness mm	Average outer diameter mm		Maximum conductor resistance at 20 °C /KM		Insulation resistance at 70 °C Minimum value (MΩ /KM)	Recommend Power
				lower limit	upper limit	copper core	Tinned copper core		
100 core audio cable	7/14X0.08	2X0.5	1	2.4X7.5	3.6X7.6	42.1	46.3	0.013	60W
150 core audio cable	7/21X0.08	2X0.75	1.2	3.2X7.0	4.4X8.2	27.1	27.8	0.01	150W
200 core audio cable	7/28X0.08	2X1.0	1.2	3.5X8.5	5.0X9.7	19.5	20	0.01	250W
300 core audio cable	7/43X0.08	2X1.5	1.2	4.0X8.5	5.1X9.7	12.7	13.2	0.009	600W
400 core audio cable	7/57X0.08	2X2.0	1.3	4.2X9.8	5.4X10.8	9	9.3	0.008	1000W
500 core audio cable	7/71X0.08	2X2.5	1.3	4.8X10.0	6.0X11.2	7.98	8.3	0.008	1600W
600 core audio cable	3/200X0.08	2X3.0	1.3	4.5X10.5	6.3X11.5	7.2	7.56	0.008	2300W
800 core audio cable	3/266X0.08	2X4.0	1.3	5.0X14	6.0X17	4.61	4.64	0.008	4000W

Integrated cabling solution Copper cable wiring system

SFTP CAT7 Category 7 10 Gigabit Cable



Standard specification

- ISO/IEC 11801 CLASS Fa
- IEC61156-5
- ANSI/TIA 568C.2 CAT7 Seven Categories
- YD/T1019

Electrical performance

- Impedance: $F=(1-100\text{MHz}) 100 \pm 15\%$
 $F=(1-250\text{MHz})100 \pm 22\%$
- Single conductor DC resistance: 9.0Ω/100m
- Maximum DC resistance imbalance: 2.5%
- Working capacitance: 5.6nF/100m
- Unbalanced capacitance: 330nF/100m
- Delay deviation: 45ns/100m
- Rated transmission speed (NVP): 68%
- Insulation resistance: 5000MQ · km+20 DC (100-500) V

Product Features

- Through ANSI/568C.2 bandwidth testing requirements, it can be extended to 550MHz
- By weaving a total shield to resist external electromagnetic interference and line pair
- optimal resistance to near-end (NEXT) crosstalk loss, impedance stability is maintained
- Aluminum foil overall shielding, suitable for various complex and harsh electromagnetic environments
- Maximum bandwidth and signal-to-noise ratio margin for transmission of critical tasks
- Provide cable length markings to reduce waste
- Exceeding all requirements of Gigabit Ethernet; Support 10G BASE-T 10 Gigabit Ethernet 1000 BASE-T/1000 BASE-TX LAN and broadband video network applications

Standard transmission performance

frequency (MHz)	Return loss (dB)	Insertion loss (max) (dB/100m)	Transmission delay (max) (ns/100m)	Time delay difference (max) (ns/100m)	Near end crosstalk attenuation (min) (dB)	Integrated near-end crosstalk attenuation (min) (dB)	Far end crosstalk Attenuation (min) (dB/100m)	Integrated remote crosstalk attenuation (min) (dB/100m)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47	45	31.8	28.8
100	20.1	19.8	537	45	44.3	42.3	27.8	24.8
200	18.0	29.0	536	45	39.7	37.7	21.7	18.7
250	17.3	32.8	535	45	38	36	19.8	16.8
300	16.8	34.3	536	45	35.1	34.3	18.3	15.3
500	15.2	45.3	535	45	32	31.3	13.8	10.8
600	13.5	44.1	535	45	24	20	12.4	9.7

Physical property

- Usage temperature: -20 to +60
- Minimum bending radius: 10 times the outer diameter of the cable

Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	0.58/-0.008mm
wire gauge	23AWG
Insulation material	HDPE
Insulation color	White Blue/Blue, White Orange/Orange White green/green, white brown/brown
shield	aluminum foil
Ground wire	have
Outer sheath material	PE
Outer diameter of outer sheath	7.7 ± 0.2mm

ordering information

product number	Delivery length (meters/box)	product name
7585W-7	305m/box	SFTP CAT7 Category 7 Fully Shielded 10 Gigabit Cable

Integrated cabling solution

Copper cable wiring system

FTP CAT6A Super Category 6 Paired Shielded Cable

Standard specification

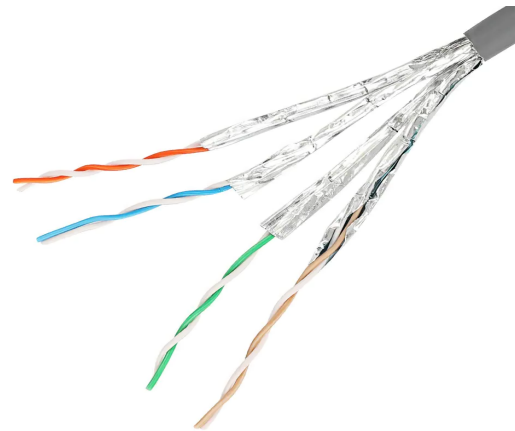
- ISO/IEC 11801 CLASS Fa
- IEC61156-5
- ANSI/TIA 568C.2 CAT6A
- YD/T1019

Electrical performance

- Impedance: $F=(1-100\text{MHz}) 100 \pm 15\%$
 $F=(1-250\text{MHz})100\pm 22\%$
- Single conductor DC resistance: $9.0 /100\text{m}$
- Maximum DC resistance imbalance: 2.5%
- Working capacitance: $5.6\text{nF}/100\text{m}$
- Unbalanced capacitance: $330\text{nF}/100\text{m}$
- Delay deviation: $45\text{ns}/100\text{m}$
- Rated transmission speed (NVP): 68%
- Insulation resistance: $5000\text{MQ} \cdot \text{km}+20 \text{ DC } (100-500) \text{ V}$

Product Features

- Expandable to 550MHz through ANSI/568C. 2 bandwidth testing requirements
- By using a central filling material to maintain the effectiveness of the twisted pair, as well as the optimal resistance to near-end (NEXT) crosstalk loss and impedance stability
- Aluminum foil overall shielding, suitable for various complex and harsh electromagnetic environments
- The maximum bandwidth and signal-to-noise ratio margin are used for transmission of critical tasks. Provide cable length markings to reduce waste
- Exceeding all requirements of Gigabit Ethernet; Supports 10G BASE-T 10 Gigabit Ethernet/1000 BASE-T/1000 BASE-TX LAN and Broadband Video Network Applications



Physical property

- Usage temperature: $-20 \sim +60$
- Minimum bending radius: 10 times the outer diameter of the cable

Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	0.58/-0.008mm
wire gauge	23AWG
Insulation material	HDPE
Insulation color	White Blue/Blue, White Orange/Orange White green/green, white brown/brown
shield	aluminum foil
Ground wire	have
Outer sheath material	PE
Outer diameter of outer sheath	$7.7 \pm 0.2\text{mm}$

ordering information

product number	Delivery length (meters/box)	product name
6585W-6A	305m/box	FTP CAT6A Super Category 6 Paired Shielded Cable

Standard transmission performance

frequency (MHz)	Return loss (dB)	Insertion loss (dB/100m)	Transmission delay (ns/100m)	Time delay difference (ns/100m)	Near end crosstalk attenuation (dB)	Integrated near-end crosstalk attenuation (dB)	Far end crosstalk Attenuation (dB/100m)	Integrated remote crosstalk attenuation (dB/100m)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47	45	31.8	28.8
100	20.1	19.8	537	45	44.3	42.3	27.8	24.8
200	18.0	29.0	536	45	39.7	37.7	21.7	18.7
250	17.3	32.8	535	45	38	36	19.8	16.8
300	16.8	34.3	536	45	35.1	34.3	18.3	15.3
500	15.2	45.3	535	45	32	31.3	13.8	10.8

Note: The above transmission performance for the 100M, $20 \pm 2 \text{ C}$ under the conditions tested.

Integrated cabling solution

Copper cable wiring system

UTP Category 6 4-pair single stranded unshielded cable



Standard specification

- ISO/IEC 11801
- IEC61156-5
- ANSI/TIA 568C.2
- YD/T1019

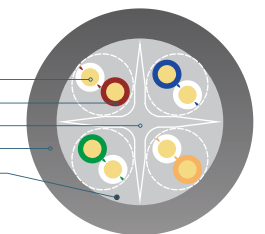
Electrical performance

- Impedance: $F=(1-100\text{MHz}) 100 \pm 15\%$
 $F=(1-250\text{MHz})100\pm 22\%$
- Single conductor DC resistance: $9.0 /100\text{m}$
- Maximum DC resistance imbalance: 2.5%
- Working capacitance: $5.6\text{nF}/100\text{m}$
- Unbalanced capacitance: $330\text{nF}/100\text{m}$
- Delay deviation: $45\text{ns}/100\text{m}$
- Rated transmission speed (NVP): 68%
- Insulation resistance: $5000\text{MQ} \cdot \text{km}+20 \text{ DC } (100-500) \text{ V}$

Product Features

- It can be extended to 550MHz according to the bandwidth testing requirements of ANSI/568C. 2250MHz
- The cross skeleton separates the wire pairs and maintains a stable pair position, reducing near-end crosstalk loss and maintaining impedance stability
- Accurate matching and balanced design of twisted pitch of different pairs of wires reduces near-end crosstalk loss.
- Maximum bandwidth and signal-to-noise ratio margin for transmission of critical tasks
- Provide cable length markings to reduce waste
- Multiple flame retardant grade cables and low smoke halogen-free cables can be provided

Copper Conductor
Insulated HDPE cross sheath
Rip cord



Physical property

- Usage temperature: $-20 \sim +60$
- Minimum bending radius: 10 times the outer diameter of the cable

Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	0.56/-0.008mm
wire gauge	23AWG
Insulation material	HDPE
Insulation color	White Blue/Blue, White Orange/Orange White green/green, white brown/brown
shield	none
Ground wire	none
Outer sheath material	PVC
Outer diameter of outer sheath	$6.3 \pm 0.2\text{mm}$

ordering information

product number	Delivery length (meters/box)	product name
6570W	305m/box	UTP Category 6 4-pair unshielded cable (gray)

Note: Sheath colors: G-gray, BK-black, BL-blue, RE-red, YE-yellow, GR-green, PL purple

Standard transmission performance

frequency (MHz)	Return loss (dB)	Insertion loss (dB/100m)	Transmission delay (ns/100m)	Time delay difference (ns/100m)	Near end crosstalk attenuation (dB)	Integrated near-end crosstalk attenuation (dB)	Far end crosstalk Attenuation (dB/100m)	Integrated remote crosstalk attenuation (dB/100m)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47	45	31.8	28.8
100	20.1	19.8	537	45	44.3	42.3	27.8	24.8
200	18.0	29.0	536	45	39.7	37.7	21.7	18.7
250	17.3	32.8	535	45	38	36	19.8	16.8

Note: The transmission performance is tested at 20 ± 2

Integrated cabling solution Copper cable wiring system

FTP Category 6 4-pair single strand shielded cable



Standard specification

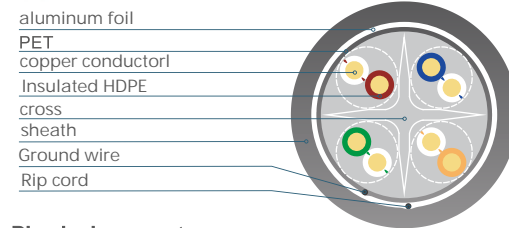
- ISO/IEC 11801
- IEC61156-5
- ANSI/TIA 568C.2
- YD/T1019

Electrical performance

- Impedance: $F=(1-100\text{MHz})100 \pm 15\%$
 $F=(1-250\text{MHz})100 \pm 22\%$
- DC resistance of single conductor: 9.0 /100m.
- Maximum DC resistance imbalance: 2.5%.
- Operating capacitance: 5.6nF/100m.
- Unbalanced capacitance: 330nF/100m.
- Delay deviation: 45ns/100m.
- Rated transmission speed(NVP):68%.
- Insulation resistance: 5000M ·km+20 DC(100-500)V.

Product Features

- Passes ANSI/568C.2 250MHz bandwidth test requirements can be extended to 550MHz.
- Crossbones separate pairs and maintain stable pair positions, reducing crosstalk loss at the end of the wire and maintaining stable impedance.
- Aluminum foil overall shielding, can be suitable for a variety of complex, harsh electromagnetic environment places.
- Maximum bandwidth and signal-to-noise margin for mission-critical transmission.
- Cable length markings available to reduce waste.
- Available in a variety of flame retardant grades as well as low smoke and halogen free cables.
- Exceeds all requirements of Gigabit Ethernet: supports 100Basr T, Gigabit Ethernet, ATM, multimedia applications.



Physical property

- Usage temperature: -20 ~ +60
- Minimum bending radius: 10 times the outer diameter of the cable

Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	0.56/-0.008mm
wire gauge	23AWG
Insulation material	HDPE
Insulation color	White Blue/Blue, White Orange/Orange White green/green, white brown/brown
shield	Aluminum foil
Ground wire	have
Outer sheath material	PVC
Outer diameter of outer sheath	7.7±0.2mm

ordering information

product number	Delivery length (meters/box)	product name
6570F	305m/box	FTP Category 6 4-pair shielded cable (gray)

Note: Sheath color: G-Gray, BK-Black, BL-Blue, RE-Red, YE-Yellow, GR-Green, PL-Purple.

Standard transmission performance

frequency	Return loss (mm)	Insertion loss (max)	Transmission delay (max)	Time delay difference (max)	Near end crosstalk attenuation (min)	Integrated near-end crosstalk attenuation (min)	Far end crosstalk Attenuation (min)	Integrated remote crosstalk attenuation (min)
(MHz)	(dB)	(dB/100m)	(ns/100m)	(ns/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)
1	20.0	2	570	45	74	72	67.8	64.8
4	23.0	3.8	552	45	65	63	55.7	52.7
10	25.0	6.0	545	45	59	57	47.8	44.8
16	25.0	7.6	543	45	56	54	43.7	40.7
20	25.0	8.5	542	45	55	53	41.7	38.7
31.25	23.6	10.7	540	45	52	50	37.9	34.9
62.5	21.5	15.4	538	45	47	45	31.8	28.8
100	20.1	19.8	537	45	44.3	42.3	27.8	24.8
200	18.0	29.0	536	45	39.7	37.7	21.7	18.7
250	17.3	32.8	535	45	38	36	19.8	16.8

Note: The above transmission performance for the 100M. 20 ± 2C under the conditions tested.

Integrated cabling solution Copper cable wiring system

UTP Category 5 4-pair single stranded unshielded cable



Standard specification

- ISO/IEC 11801
- IEC61156-5
- ANSI/TIA 568C.2
- YD/T1019

Electrical performance

- Impedance: $F=(1-100\text{MHz})100 \pm 15\%$
- DC resistance of single conductor: 9.5 /100m.
- Maximum DC resistance imbalance: 2.5%.
- Working capacitance: 5.6nF/100m.
- Unbalanced capacitance: 330nF/100m.
- Delay deviation: 45ns/100m.
- Rated transmission speed (NVP): 72%.
- Insulation resistance: 5000M ·km+20 DC(100-500)V.

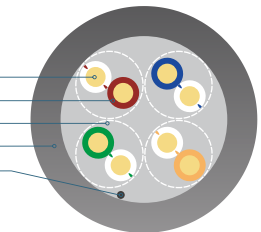
Physical property

- Usage temperature: -20 ~ +60
- Minimum bending radius: 10 times the outer diameter of the cable

Product Features

- Passed ANSI/568C.2100MHz bandwidth test requirement can be extended to 350MHz
- Smaller outer diameter for less twisting and snagging during installation.
- Cable length markings are available to reduce waste.
- A variety of flame retardant grade cables and low smoke and halogen free cables are available.
- Supports high-speed transmission of voice, data and video signals.

- copper conductor
- Insulated HDPE
- a pair
- sheath
- Rip cord



Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	0.50 ± 0.008mm
wire gauge	24AWG
Insulation material	HDPE
Insulation color	White Blue/Blue, White Orange/Orange White green/green, white brown/brown
shield	none
Ground wire	none
Outer sheath material	PVC
Outer diameter of outer sheath	5.0±0.2mm

ordering information

product number	Delivery length (meters/box)	product name
550W	305m/box	UTP Super Category 5 4-Pair Unshielded Cable (Gray)

Note: Sheath color: G-Gray, BK-Black, BL-Blue, RE-Red, YE-Yellow, GR-Green, PL-Purple.

Standard transmission performance

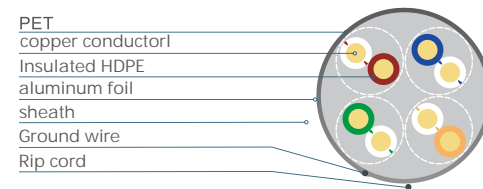
frequency	Return loss (mm)	Insertion loss (max)	Transmission delay (max)	Time delay difference (max)	Near end crosstalk attenuation (min)	Integrated near-end crosstalk attenuation (min)	Far-end crosstalk attenuation (min)	Integrated remote crosstalk attenuation (min)
(MHz)	(dB)	(dB/100m)	(ns/100m)	(ns/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)
1	20.0	2.2	570	45	65	62	61	61
4	23.0	4.2	552	45	56	53	48	48
10	25.0	6.5	545	45	50	47	41	41
16	25.0	8.4	543	45	47	44	36	36
20	25.0	9.3	542	45	45	42	34	34
31.25	23.6	11.6	540	45	42	39	31	31
62.5	21.5	17.0	538	45	38	35	25	25
100	20.1	22.0	537	45	35	32	21	21

Note: For transmission performance above 100M, the test is performed at 20±2 °C.

Integrated cabling solution

Copper cable wiring system

FTP Super Category 5 4 pairs single strand shielded cable



Standard specification

- ISO/IEC 11801
- IEC 61156-5
- ANSI/TIA 568C.2
- YD/T1019

Electrical performance

- Impedance: $F=(1-100\text{MHz})100\pm 15\%$.
- DC resistance of single conductor: $9.5 /100\text{m}$. Maximum DC resistance imbalance: 2.5%.
- Operating capacitance: $5.6\text{nF}/100\text{m}$.
- Unbalanced capacitance: $330\text{nF}/100\text{m}$. Delay deviation: $45\text{ns}/100\text{m}$.
- Rated transmission speed(NVP):68%.
- Insulation resistance: $5000\text{M}\cdot\text{km}+20\text{DC}(100-500)\text{V}$.

Physical property

- Operating temperature: $-20 \sim +60$.
- Minimum bending radius: 10 times the outer diameter of the cable.

Product Features

- Passes ANSI/568C.2 250MHz bandwidth test requirements can be extended to 550MHz.
- The crossbones separate pairs and maintain stable pair positions, reducing near-end crosstalk losses and maintaining stable impedance. The cross brackets separate the pairs and maintain a stable pair position, reducing near-end crosstalk losses and maintaining impedance stability.
- Aluminum foil overall shielding for a variety of complex, harsh electromagnetic environments.
- Maximum bandwidth and signal-to-noise margin for mission-critical transmission.
- Cable length markings are available to reduce waste.
- Available in a variety of flame retardant grades as well as low smoke and halogen free cables.
- Exceeds all the requirements of Gigabit Ethernet: supports 100Base T, Gigabit Ethernet, ATM, multimedia applications.

Standard transmission performance

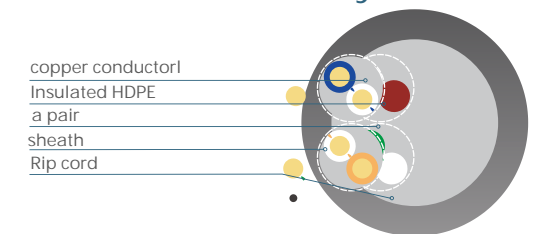
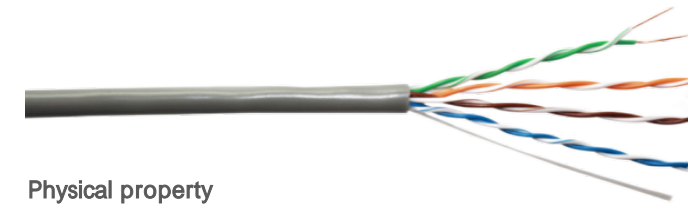
frequency (MHz)	Return loss (dB)	Insertion loss (max) (dB/100m)	Transmission delay (max) (ns/100m)	Time delay difference (max) (ns/100m)	Near end crosstalk attenuation (min) (dB)	Integrated near-end crosstalk attenuation (min) (dB)	Far-end crosstalk attenuation (min) (dB/100m)	Integrated remote crosstalk attenuation (min) (dB/100m)
1	20.0	2.2	570	45	65	62	61	61
4	23.0	4.2	552	45	56	53	48	48
10	25.0	6.5	545	45	50	47	41	41
16	25.0	8.4	543	45	47	44	36	36
20	25.0	9.3	542	45	45	42	34	34
31.25	23.6	11.6	540	45	42	39	31	31
62.5	21.5	17.0	538	45	38	35	25	25
100	20.1	22.0	537	45	35	32	21	21

Note:For transmission performance above 100M, test at 20 ± 2 .

Integrated cabling solution

Copper cable wiring system

UTP Super Category 5 4 pairs unshielded cable for security



Physical property

- Operating temperature: $-20 \sim +60$.
- Minimum bending radius: 10 times the outer diameter of the cable.

Electrical performance

- Impedance: $F=(1-100\text{MHz})100\pm 15\%$.
- DC resistance of single conductor: $9.5 /100\text{m}$. Maximum DC resistance imbalance: 2.5%.
- Operating capacitance: $5.6\text{nF}/100\text{m}$.
- Unbalanced capacitance: $330\text{nF}/100\text{m}$. Delay deviation: $45\text{ns}/100\text{m}$.
- Rated transmission speed(NVP):67%.
- Insulation resistance: $5000\text{M}\cdot\text{km}+20\text{DC}(100-500)\text{V}$.

Product Features

- Passes ANSI/568C.2 100MHz bandwidth test requirements.
- Small outer diameter, not easy to twist and jam during installation.
- Suitable for outdoor overhead or ducting applications if sheathing is made of polyethylene (PE) to prevent moisture intrusion.
- Cable length markings are available to reduce waste.
- A wide range of flame retardant and low smoke and halogen free cables are available.
- Supports high-speed transmission of voice, data and video signals.

Specification parameters

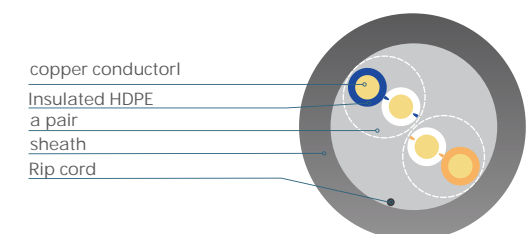
Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	$0.45/0.48\pm 0.008\text{mm}$
wire gauge	24AWG
Insulation material	HDPE
Insulation color	White Blue/Blue, White Orange/Orange White green/green, white brown/brown
shield	none
Ground wire	none
Outer sheath material	PVC
Outer diameter of outer sheath	$4.8\pm 0.2\text{mm}$

ordering information

product number	Delivery length (meters/box)	product name
549W	305m/box	UTP Super Category 5 4 pairs unshielded cable for security (gray)

Note: Sheath color: G-Gray, BK-Black, BL-Blue, RE-Red, YE-Yellow, GR-Green, PL-Purple.

(Telephone line) UTP Category 3 2 pairs unshielded cable



Electrical performance

- Impedance: $F=(1-16\text{MHz})100\pm 15\%$.
- DC resistance of single conductor: $14.8 /100\text{m}$.
- Maximum DC resistance imbalance: 2.5%.
- Operating capacitance: $5.6\text{nF}/100\text{m}$.
- Unbalanced capacitance: $330\text{nF}/100\text{m}$.
- Delay deviation: $45\text{ns}/100\text{m}$.
- Insulation resistance: $5000\text{M}\cdot\text{km}+20\text{DC}(100-500)\text{V}$.

Physical property

- Operating temperature: $-20 \sim +60$.
- Minimum bending radius: 10 times the outer diameter of the cable.

Product Features

- The small outer diameter makes it less likely to twist and snag during installation.
- Provides cable length markers to reduce waste.

Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	$0.40\pm 0.008\text{mm}/0.5\text{mm}$
wire gauge	26AWG/24AWG
Insulation material	HDPE
Insulation color	White blue/blue, white orange/orange
shield	none
Ground wire	none
Outer sheath material	PVC
Outer diameter of outer sheath	$3.8\pm 0.2\text{mm}$

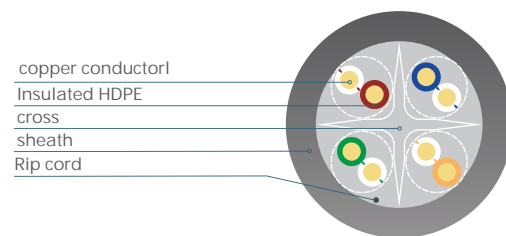
ordering information

product number	Delivery length (meters/box)	product name
2204W	305m/box	(telephone line) UTP Category 3 2-pair unshielded cable
product number	Delivery length (meters/box)	product name
2205W	305m/box	(Telephone line) UTP Super Category 5 2 pairs of unshielded cables

Integrated cabling solution

Copper cable wiring system

UTP Category 6 4 pairs unshielded cable for security



Electrical performance

- Impedance: $F=(1-100\text{MHz})100\pm 15\%$.
- $F=(1-250\text{MHz})100\pm 22\%$.
- DC resistance of single conductor: $9.0 / 100\text{m}$.
- Maximum DC resistance imbalance: 2.5% .
- Operating capacitance: $5.6\text{nF}/100\text{m}$.
- Unbalanced capacitance: $330\text{nF}/100\text{m}$.
- Delay deviation: $45\text{ns}/100\text{m}$.
- Rated transmission speed(NVP): 68% .
- Insulation resistance: $5000\text{M}\cdot\text{km}+20$ DC(100-500)V.

Physical property

- Operating temperature: $-20 \sim +60$.
- Minimum bending radius: 10 times the outer diameter of the cable.

Product Features

- Passes ANSI/568C 2250MHz bandwidth test requirements.
- Crossbones separate pairs and maintain stable pair positions, reducing near-end crosstalk loss and maintaining impedance stability.
- Precise twisted pitch matching and balancing of different pairs to reduce near-end crosstalk loss.
- Maximum bandwidth and SNR margin for mission-critical transmission.
- Cable length markings are provided to reduce waste.
- A wide range of flame-retardant grades and low smoke and halogen-free cables are available.

Specification parameters

Material	Oxygen free round copper (purity 99.99%)
Conductor diameter	0.52/0.54 ± 0.008mm
wire gauge	24AWG
Insulation material	HDPE
Insulation color	White blue/blue, white orange/orange White green/green, white brown/brown
shield	none
Ground wire	none
Outer sheath material	PVC
Outer diameter of outer sheath	6.2±0.2mm

Ordering information

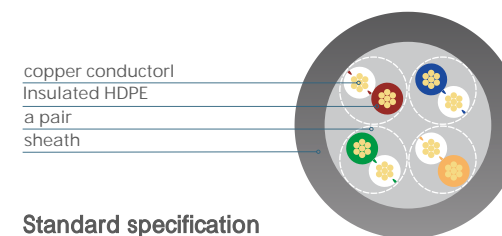
product number	Delivery length (meters/box)	product name
6525W	305m/box	UTP Category 6 4 pairs unshielded cable (for security)
product number	Delivery length (meters/box)	product name
6540W	305m/box	UTP Category 6 4-pair unshielded cable (commercial type)

Note: Sheath color: G-Gray, BK-Black, BL-Blue, RE-Red, YE-Yellow, GR-Green, PL-Purple.

Integrated cabling solution

Copper cable wiring system

UTP Super Category 5 4-pair multistrand unshielded flexible patch cable



Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- Multi-cable structure, soft jumper, easy to bend and not easy to break.
- Crystal head crimp reed is gold-plated to ensure excellent performance.
- Longer sheath with gradual force principle, anti-slip and anti-pull, ensure certain bending radius.
- Operating temperature: $-20\text{C} \sim +60$.
- Plug and socket plugging times 1000 times.

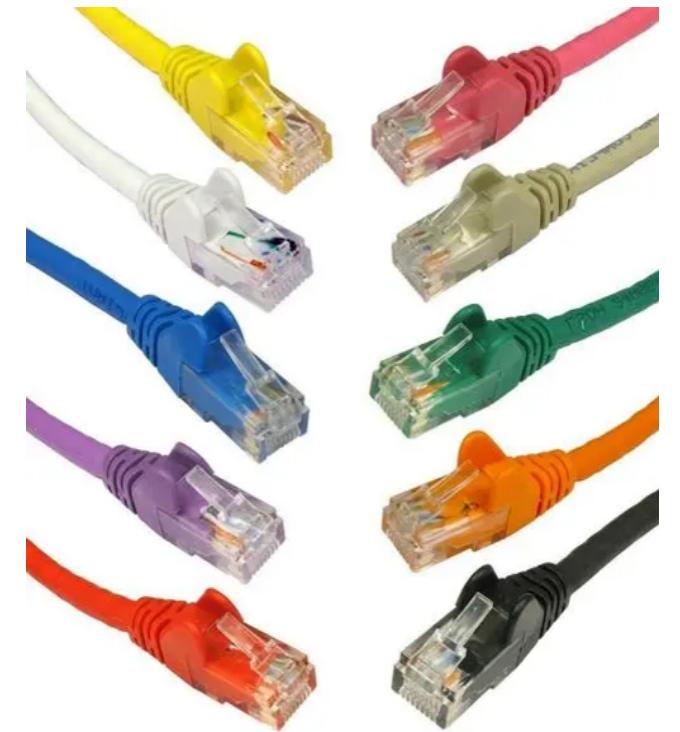
Ordering information

product number	product name
5716050-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 0.5m
5716100-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 1m
5716150-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 1.5m
5716200-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 2m
5716300-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 3m
5716500-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 5m
5716700-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 7m
57161000-XX	UTP Super Category 5 4 pairs unshielded patch cable, length 10m

Note: XX stands for sheath color: GY-Grey, BL-Blue, RE-Red, YE-Yellow, GR-Green, Other lengths of patch cords can be customized.

Standard transmission performance

Res.	Length	Propagation time delay	Time delay difference	Frequency	Insertion loss	Near-end crosstalk attenuation	Return loss	crosstalk attenuation ratio	Far-end crosstalk attenuation	Integrated near-end attenuation	Near-end crosstalk attenuation ratio power and	Integrated remote crosstalk attenuation
Ω	Max.	ns	n s	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
				4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4
				8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3
				10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
				16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3
				20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4
				25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4
				31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5
				62.5	18.6	33.6	12.1	15.0	21.2	30.6	12.0	18.5
				100	24	30.1	10.0	6.1	17.4	27.1	3.1	14.4



The picture is for reference only, there are many styles available in the factory

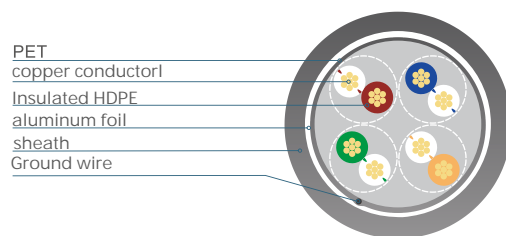
Specification parameters

Conductor material	Oxygen-free round copper (99.99% purity), Multi-strand stranded wire
Insulation material	HDPE
Outer sheath material	PVC
Plug sheath material	PVC
Plug material	Flame retardant transparent polycarbonate
Reed material	Phosphor bronze surface gold plating

Integrated cabling solution

Copper cable wiring system

FTP Super Category 5 4-Pair Multi-Strand Shielded Patchcord

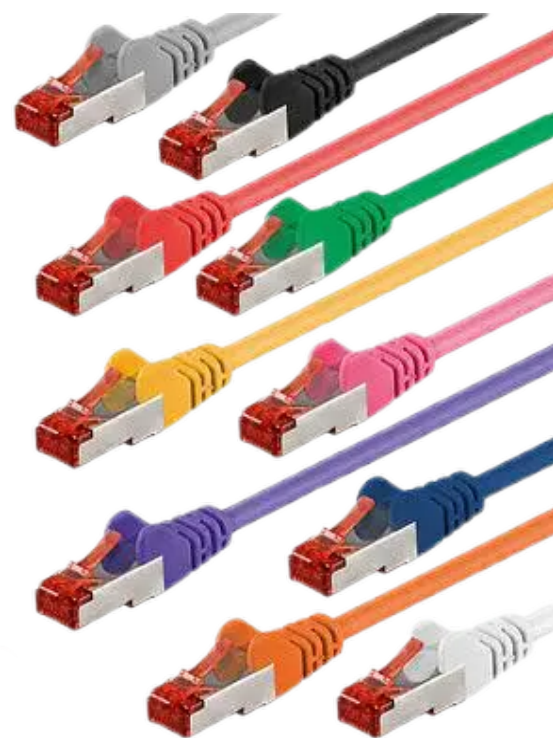


Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- Multi-cable structure, soft jumper, easy to bend and not easy to break.
- Crystal head crimp reed is gold-plated to ensure excellent performance.
- Longer sheath with gradual force principle, anti-slip and anti-pull, ensure certain bending radius.
- Operating temperature: -20C~+60.
- Plug and socket plugging times 1000 times.



The picture is for reference only, there are many styles available in the factory

Specification parameters

Conductor material	Oxygen-free round copper (99.99% purity) , Multi-strand stranded wire
Insulation material	HDPE
Outer sheath material	PVC
Plug sheath material	PVC
Plug material	Flame retardant transparent polycarbonate
Reed material	Phosphor bronze surface gold plating

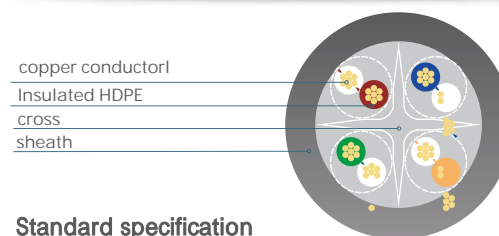
Standard transmission performance

Res.	Length	Propagation time delay	Time delay difference	Frequency	Insertion loss	Near-end crosstalk attenuation	Return loss	Near-end crosstalk attenuation ratio	Far-end crosstalk attenuation	Integrated near-end crosstalk attenuation	Near-end crosstalk attenuation ratio power and	Integrated remote crosstalk attenuation
Ω	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	60.0	17.0	57.0	57.4	57.0	54.0	54.4
				4	4.5	53.5	17.0	49.1	45.4	50.5	46.1	42.4
				8	6.3	48.6	17.0	42.3	39.3	45.6	39.3	36.3
				10	7.1	47.0	17.0	39.9	37.4	44.0	36.9	34.4
				16	9.1	43.6	17.0	34.5	33.3	40.6	31.5	30.3
				20	10.2	42.0	17.0	31.8	31.4	39.0	28.8	28.4
				25	11.4	40.3	16.0	28.9	29.4	37.3	25.9	26.4
				31.25	12.9	38.7	15.1	25.9	27.5	35.7	22.9	24.5
				62.5	18.6	33.6	12.1	15.0	21.2	30.6	12.0	18.5
				100	24	30.1	10.0	6.1	17.4	27.1	3.1	14.4

Integrated cabling solution

Copper cable wiring system

UTP Category 6 4-pair multistrand unshielded flexible patch cable

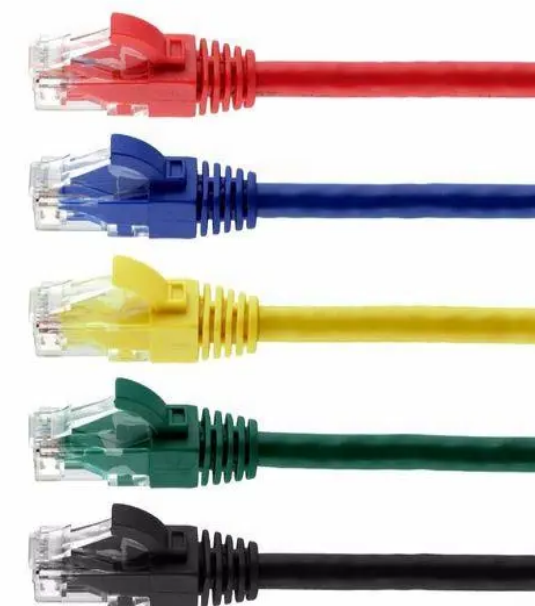


Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- Multi-cable structure, soft jumper, easy to bend and not easy to break.
- Crystal head crimp reed is gold-plated to ensure excellent performance.
- Longer sheath with gradual force principle, anti-slip and anti-pull, ensure certain bending radius.
- Operating temperature: -20C~+60.
- Plug and socket plugging times 1000 times.



Ordering information

Product Number	Product Name
PC6U0005-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 0.5m
PC6U0010-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 1m
PC6U0015-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 1.5m
PC6U0020-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 2m
PC6U0030-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 3m
PC6U0050-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 5m
PC6U0070-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 7m
PC6U0100-24CP	UTP Category 6 4-pair multistrand unshielded patch cable, length 10m

Note: XX stands for sheath color: GY-Grey, BL-Blue, RE-Red, YE-Yellow, GR-Green, Other lengths of patch cords can be customized.

Specification parameters

Conductor material	Oxygen-free round copper (99.99% purity) , Multi-strand stranded wire
Insulation material	HDPE
Outer sheath material	PVC
Plug sheath material	PVC
Plug material	Flame retardant transparent polycarbonate
Reed material	Phosphor bronze surface gold plating

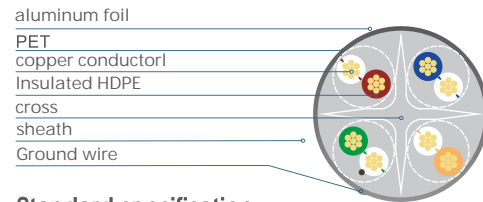
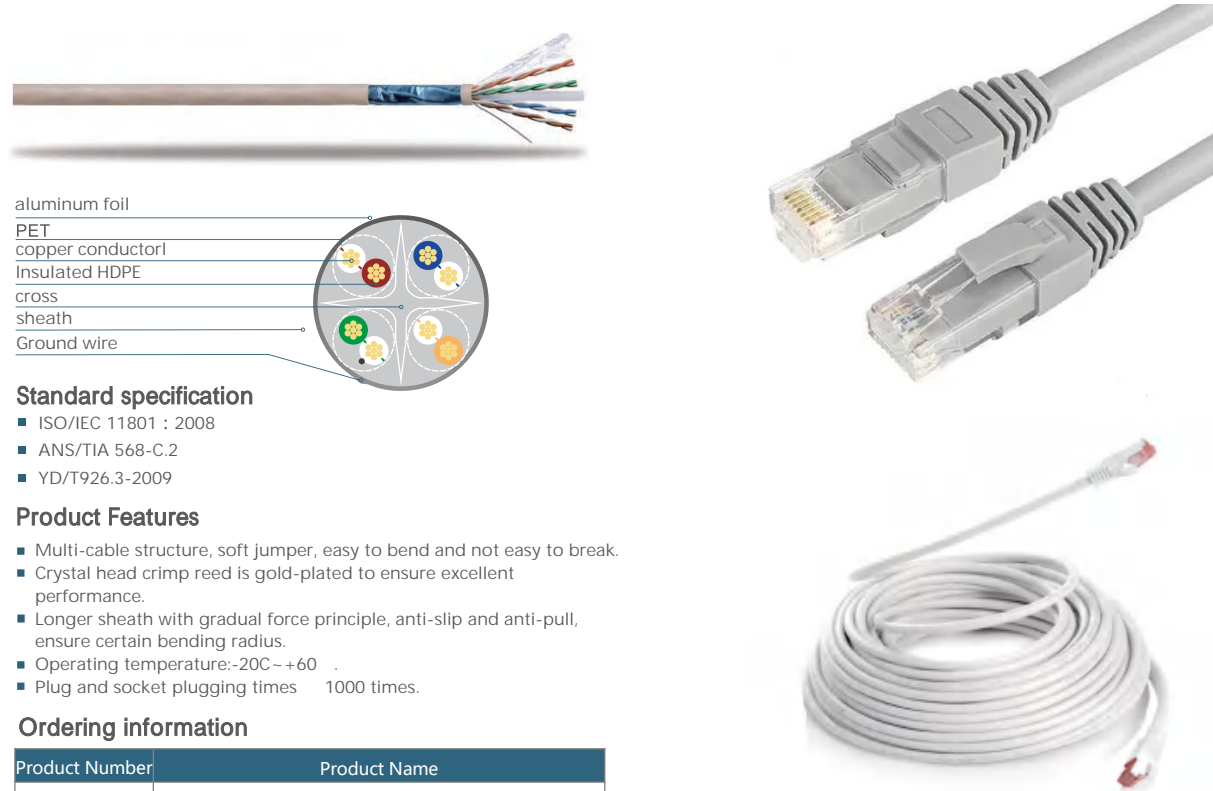
Standard transmission performance

Res.	Length	Propagation time delay	Time delay difference	Frequency	Insertion loss	Near-end crosstalk attenuation	Return loss	Near-end crosstalk attenuation ratio	Far-end crosstalk attenuation	Integrated near-end crosstalk attenuation	Near-end crosstalk attenuation ratio power and	Integrated remote crosstalk attenuation
Ω	Max.	ns	ns	MHz	dB	dB	dB	dB	dB	dB	dB	dB
i	100m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4	63.0	19.0	59.0	51.2	60.5	56.5	48.2
				8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
				10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
				16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
				20	9	51.6	17.5	42.6	37.2	49.0	39.9	34.2
				25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
				31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
				62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
				100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
				200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3

Integrated cabling solution

Copper cable wiring system

FTP Category 6 4-pair multi-strand shielded patch cable



Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- Multi-cable structure, soft jumper, easy to bend and not easy to break.
- Crystal head crimp reed is gold-plated to ensure excellent performance.
- Longer sheath with gradual force principle, anti-slip and anti-pull, ensure certain bending radius.
- Operating temperature: -20C~ +60
- Plug and socket plugging times 1000 times.

Ordering information

Product Number	Product Name
F6716050-XX	FTP Category 6 4 pairs shielded patch cable, length 0.5 m
F6716100-XX	FTP Category 6 4 pairs shielded patch cable, length 1 m
F6716150-XX	FTP Category 6 4 pairs shielded patch cable, length 1.5 m
F6716200-XX	FTP Category 6 4 pairs shielded patch cable, length 2 m
F6716300-XX	FTP Category 6 4 pairs shielded patch cable, length 3 m
F6716500-XX	FTP Category 6 4 pairs shielded patch cable, length 5 m
F6716700-XX	FTP Category 6 4 pairs shielded patch cable, length 7 m
F67161000-XX	FTP Category 6 4 pairs shielded patch cable, length 10 m

Note: XX stands for sheath color: GY-Grey, BL-Blue, RE-Red, YE-Yellow, GR-Green, Other lengths of patch cords can be customized.

Standard transmission performance

Res.	Length	Propagation time delay	Time delay difference	Frequency	Insertion loss	Near-end crosstalk attenuation	Return loss	Near-end crosstalk attenuation ratio	Far-end crosstalk attenuation	Integrated near-end crosstalk attenuation	Near-end crosstalk attenuation ratio power and	Integrated remote crosstalk attenuation
i	100m	555	50	1	3	65.0	19.0	62.0	63.3	62.0	59.0	60.3
				4	4	63.0	19.0	59.0	51.2	60.5	56.5	48.2
				8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
				10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
				16	8	53.2	18.0	45.2	39.2	50.6	42.6	36.2
				20	9	51.6	17.5	42.6	37.2	49.0	39.9	34.2
				25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
				31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
				62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
				100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
				200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
				250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3

Specification parameters

Conductor material	Oxygen-free round copper (99.99% purity) , Multi-strand stranded wire
Insulation material	HDPE
Outer sheath material	PVC
Plug sheath material	PVC
Plug material	Flame retardant transparent polycarbonate
Reed material	Phosphor bronze surface gold plating

Integrated cabling solution

Copper cable wiring system

Category 6 Shielded Information Socket Module



Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds the requirements of ANSI/TIA568-C.2 and ISO/IEC 11801 : 2008 Class VI standards.
- Gold plating on the entire surface of the gold pin to improve contact performance, prevent surface oxidation and extend service life.
- Conventional 110 type IDC design ensures faster and more solid cable connection.
- Overall PCB type compensation design to ensure the best performance of NEXT and PSNEXT, effectively enhance the Near-end crosstalk margin.
- 90° card wiring method, fast construction
- 360° fully shielded structure to ensure excellent EMC performance.

Ordering information

product number	product name
6180F-00	Category 6 Shielded Information Socket Module

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Shielding	Copper case
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~ +60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution

Copper cable wiring system

Category 6 Unshielded Information Socket Module



UM-2013



UM-2014

将模块后盖套在模块上
方向不要弄反
注：黄色圈内有凹凸接卡如图
通过旋转使后盖套入模块中

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C.2 and ISO/IEC11801:2008 Class VI standard.
- Gold plating on the entire surface of the gold pin improves contact performance, prevents surface oxidation and prolongs service life. Longer service life.
- 110 type IDC design, the cores are firmly connected to ensure system stability.
- The special cable protection cover can keep the cores firmly connected and effectively dust-proof, and also has the function of cable compression.
- Curved gold pin design, effectively enhance the near-end crosstalk margin.

Ordering information

product number	product name
UM-2013	Category 6 Unshielded Information Socket Module (Compatible with patch panels or wiring racks)
product number	product name
UM-2014	Category 6 Unshielded Information Socket Module (Tool-free, rotating crimp)

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

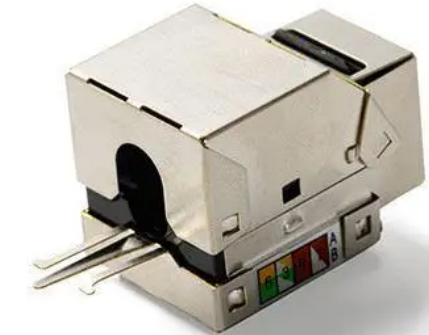
Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution

Copper cable wiring system

Super Category 5 Shielded Information Socket Module



Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds the requirements of ANSI/TIA568-C.2 and ISO/IEC 11801 : 2008 Class VI standards.
- Gold plating on the entire surface of the gold pin to improve contact performance, prevent surface oxidation and extend service life.
- Conventional 110 type IDC design ensures faster and more solid cable connection.
- Overall PCB type compensation design to ensure the best performance of NEXT and PSNEXT, effectively enhance the Near-end crosstalk margin.
- 90° card wiring method, fast construction
- 360° fully shielded structure to ensure excellent EMC performance.

Ordering information

product number	product name
UM-5180F	Super Category 5 Shielded Information Socket Module

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

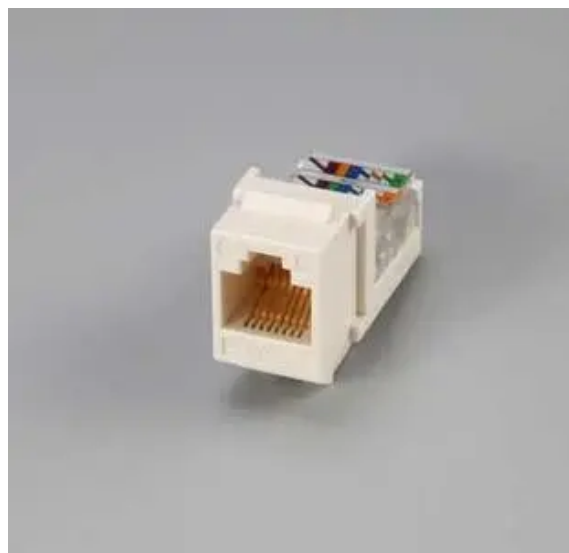
Integrated cabling solution

Copper cable wiring system

Super Category 5 Unshielded Information Socket Module



UM-5011



UM-5011X

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds the requirements of ANSI/TIA568-C.2 and ISO/IEC 11801:2008 Super Category 5 standards.
- Gold plating on the whole surface of the gold pin to improve contact performance, prevent surface oxidation and extend service life.
- 110 type IDC design, the core cable is firmly connected to ensure the stability of the system.
- Special cable protection cover to keep the cores firmly connected and effectively dustproof.

Ordering information

product number	product name
UM-5011	Super Category 5 Unshielded Information Socket Module (Compatible with patch panels or wiring racks)
product number	product name
UM-5011X	Super Category 5 Unshielded Information Socket Module (Tool-free, rotating crimp)

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

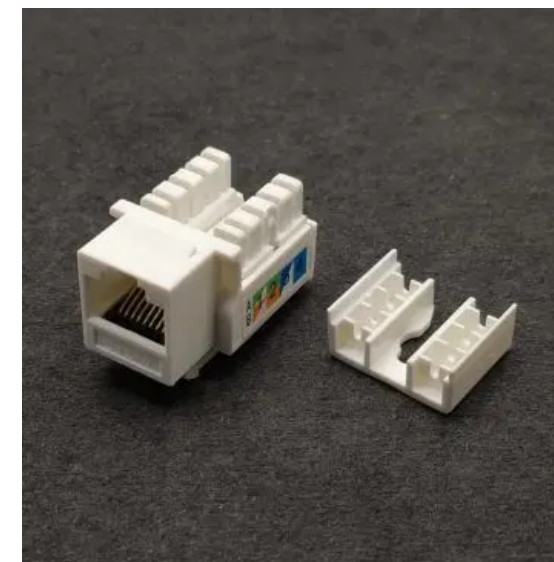
Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution

Copper cable wiring system

Telephone socket module



Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C.2 and ISO/IEC 11801:2008 The provisions of the three types of standards.
- Gold plating on the entire surface of the gold pin to improve contact performance, prevent surface oxidation and extend the use of The entire surface of the gold pin is gold plated to improve contact performance, prevent surface oxidation and extend service life.
- Special cable protection cover to prevent the cable from falling off and prevent dust.
- Provide clear line sequence marking for easy construction and maintenance.
- Delicate shape structure design, to ensure that the bottom box of the cable has a more generous space. The compact design ensures a generous space for cables in the bottom box.

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V

Ordering information

product number	product name
UM-0011	RJ11 telephone socket module 4 pole

Integrated cabling solution

Copper cable wiring system

86 Information Panel

- The information panel is used together with RJ45 module and telephone module to provide lead-in interface for information terminal (data, telephone), suitable for multi-type module installation and application in work area



Single port panel



Dual port panel

Product Features

- Single port and double port are available for use with 86 type base box.
- Single and dual port panels with dust cover to prevent dust from entering the interface.
- With identification strip or application mark, convenient for number management and maintenance use
- Combined structure, double-layer front and rear panel design, beautiful appearance, avoid fixing screws The holes are not exposed.
- Material: PC/ABS.

Ordering information

Product Number	Product Name
UM-8611	Single-port 86 type information panel
UM-8612	Two-port 86 type information panel
UM-8613	Three port 86 type information panel
UM-8614	Four-port 86 type information panel

Integrated cabling solution

Copper cable wiring system

86 bottom box

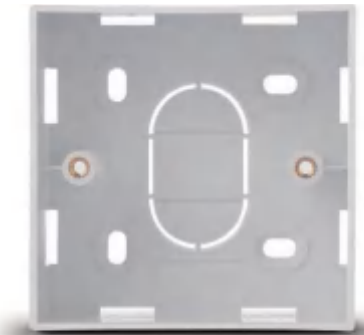
- Used in conjunction with information panels for work area applications

Product Features

- 86 type bottom box.
- Easy to install, sturdy and durable.
- Color: porcelain white
- Material: ABS

Ordering information

product number	product name
UD-2000	Type 86 bottom box (size 86 * 86 * 42mm)



Desktop Box

- Single-port and dual-port desktop boxes are used together with UTP RJ45 modules and telephone modules to provide lead-in interfaces for information terminals (data, telephone) to the desktop, which are applied in the work area.



UM-2201



UM-2202

Product Features

- Easy installation.
- Color: porcelain white
- Material: ABS
- With identification strip for easy b number management and maintenance use

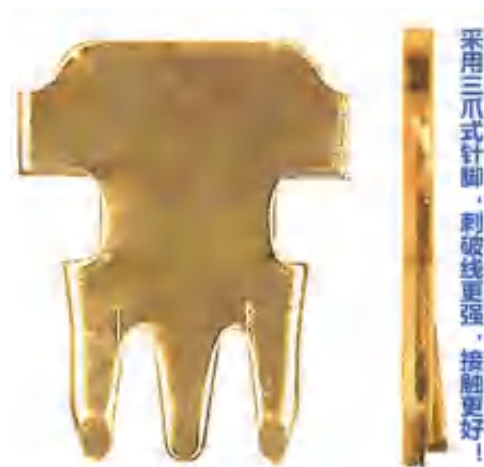
Ordering information

product number	product name
UM-2201	Single Port Desktop Box
UM-2202	Two-port desktop box

Integrated cabling solution Copper cable wiring system

Crystal Head

- Full support for all high-speed applications in data, voice, communications, multi-resource, and more



Product Features

- Compliant with ULE136825 certification and FCC specifications.
- Compliant with T568A and T568B cable sequences.
- Insertion and extraction times: 1000 times.
- Pressure test: 20N.
- Wire gauge: 23~26AWG.
- Plastic shell material: polycarbonate.
- Reed: trident reed design, phosphor bronze gold plating
- Operating temperature: -25~60.

Ordering information

Product Number	Product Name
UL-5303F	Super Category 5 shielded crystal head (8P8C)
UL-5350	Super Category 5 unshielded crystal head (8P8C)
UL-6303F	Category 6 shielded crystal head (8P8C)
UL-6350	Category 6 unshielded crystal head (8P8C)
UL-0604	Telephone crystal head (6P4C)

Integrated cabling solution Copper cable wiring system

5 pairs of wire tying tools

- 5 pairs of joints, up to 5 pairs of 110 type connection blocks in one crimp
- Modular combination for both crimping and wire cutting functions.



Ordering information

product number	product name
UL-101	5 pairs of punching tools

Crimping tool

- IDC crimping tool, high hardness metal crimping blade and strong plastic composition.
- Two-end crimping blade, one end with crimping function, the other end with crimping and wire cutting function.
- Impact force can be adjusted.



Ordering information

product number	product name
UL-102	IDC Crimping tool

RJ45 Dual Purpose Tool

- With cutting and stripping function
- Dual-use tool can clip RJ11, RJ23 (6P) and RJ45 (8P) crystal head
- Single stranded wire and multi-stranded wire are suitable



Ordering information

product number	product name
UL-730	RJ45 , RJ11 dual-use tool

Crimping tool

- IDC crimping tool, high hardness metal crimping blade and strong plastic composition.
- Two-end crimping blade, one end with crimping function, the other end with crimping and wire cutting function.
- Impact force can be adjusted.



Ordering information

product number	product name
UL-100	Testing Instruments

Integrated cabling solution

Copper cable wiring system

Category 6 Shielded Outlet Wiring Block



UL24-UC6F



UL24-UC01

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C.2 and ISO/IEC 11801:2008 regulations for Category 6 standards.
- Standard 19-inch rack mount, the overall use of full steel plate structure, to ensure higher mechanical strength of the product.
- 360 degree fully shielded shell design, and effective dustproof, the overall grounding kit to effectively ensure grounding.
- The shell cover is fixed in the middle position, which is more convenient for construction.
- Perfect and clear identification system, so that construction, maintenance, management more convenient and fast.

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Shielding	Zinc alloy
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Ordering information

product number	product name
UL24-UC6F	Class VI 24-bit RJ45 shielded patch panel
product number	product name
UL24-UC01	24-bit RJ45 shielded wiring frame air frame

Integrated cabling solution

Copper cable wiring system

Category 6 Unshielded Outlet Wiring Block



UL24-UC6E



UL2424-UC6E

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C.2 and ISO/IEC 11801:2008 for the Category 6 standard.
- Standard 19-inch rack mount with steel base plate construction to ensure higher mechanical strength.
- Integral PCB style, solid structure, stable performance.
- Equipped with removable rear cable management frame, convenient for engineering cable maintenance.
- Complete clear marking system, so that construction, maintenance, management more convenient and fast.

Ordering information

product number	product name
UL24-UC6E	Category 6 24-bit RJ45 unshielded receptacle patch panel
UL2424-UC6E	Category 6 24-bit unshielded receptacle patch panel (24 individual modules)

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution Copper cable wiring system

Super Category 5 Shielded Outlet Wiring Block



UL24-UC5F



UL24-UC01

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C.2 and ISO/IEC 11801:2008
- Standard 19-inch rack-mountable, the overall use of all-steel construction to ensure that the product Higher mechanical strength.
- 360 degree fully shielded housing design, and effective dustproof, the overall grounding kit Grounding kit to ensure effective grounding.
- The shell cover is fixed in the middle position, more convenient for construction
- Perfect clear identification system, so that construction, maintenance, management more convenient and fast.

Ordering information

product number	product name
UL24-UC5F	Super Category 5 24-bit RJ45 shielded receptacle patch panel
product number	product name
UL24-UC01	24-bit RJ45 shielded socket wiring frame air frame

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Shielding	Zinc alloy
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution Copper cable wiring system

Super Category 5 Unshielded Outlet Wiring Block



UL24-UC5E



UL2424-UC5E

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA -568C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C2 and ISO/IEC11801:2008 for the Super Category 5 standard.
- Standard 19-inch rack-mountable, steel base plate integral structure, to ensure higher product mechanical strength.Integral PCB
- style, solid structure, stable performance.
- Perfect and clear marking system, make the construction, maintenance and management more convenient and fast.

Ordering information

product number	product name
UL24-UC5E	Super Category 5 24-bit RJ45 unshielded receptacle patch panel
UL2424-UC5E	Super Category 5 24-bit Unshielded Outlet Wiring Block (24 individual modules)

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

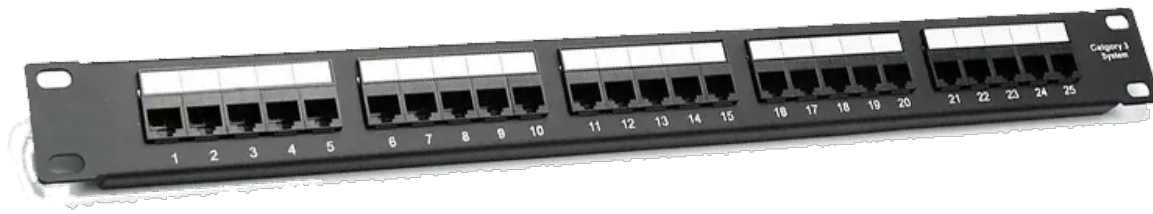
Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution

Copper cable wiring system

Modular Language Distribution Frame



UL25-UC3E

Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- Provide RJ45 port, support CAT6, CAT5e patch cable.
- Each module can be disassembled individually.
- The module is equipped with a dust cover to prevent dust accumulation from affecting the performance of the link.
- Standard 19-inch mounting, easy installation, maintenance and expansion.
- 25-bit and 50-bit specifications are available.

Ordering information

product number	product name
UL25-UC3E	25-bit Language Module Wiring Block 1U
UL50-UC3E	50-bit Language Module Wiring Block 2U

Physical Properties

Projects	Parameters
IDC	Phosphor Bronze
Gold Needle	Phosphor bronze surface gold plating
Number of plugs and sockets plugged together	≥1000
Number of wire terminations	≥250
Snap wire conductor wire gauge	22~26AWG
Termination wire sequence	T568A/T568B
Operating temperature	-25°C~+60°C

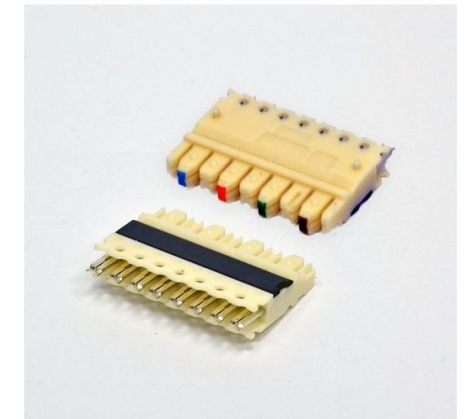
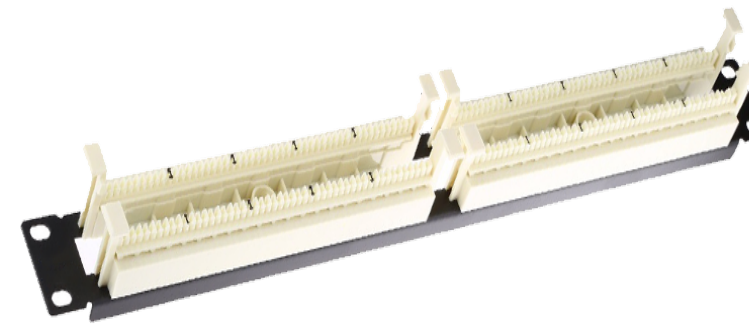
Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Integrated cabling solution

Copper cable wiring system

Rackmount 110 Patch Panel



Standard specification

- ISO/IEC 11801 : 2008
- ANS/TIA 568-C.2
- YD/T926.3-2009

Product Features

- System performance exceeds ANSI/TIA568-C.2 and ISO/IEC11801:2008 standards.
- IDC technology design, the upper and lower rows of incoming and outgoing cables are terminated at the front, making the construction and maintenance faster. The design of IDC technology, the top and bottom rows of incoming and outgoing cables are terminated at the front, making the installation and maintenance faster.
- Standard 19-inch rack type, a wide range of applications to meet the needs of different construction now The standard 19-inch rack type is suitable for a wide range of applications to meet different construction needs.
- Provide signage system, making construction, maintenance and management easier and more convenient.

Physical Properties

Projects	Parameters
Number of crimps	≥200
Insertion force	≥20N
Pull-out force	≥20N
Tension resistance	≥133N
Snap-on conductor wire gauge	22~26AWG
Operating temperature	-25°C~+60°C

Electrical performance

Projects	Parameters
Rated current	1.5Amp
Insulation resistance	≥200MΩ
Contact resistance	≤1MΩ
Connecting electrical pits	20MΩ
Operating Voltage	150V
Compressive strength DC	1000V (AC750V) 1min No breakdown and flying arc phenomenon

Ordering information

product number	product name
UL-YY3100	100 pairs rack type 110 patch panel
UL-YY3200	200 pairs rack type 110 patch panel
UL-YY3100A	100 pairs of rack type 110 patch panels (with connecting blocks)
UL-YY3200A	200 pairs of rack type 110 patch panels (with connecting blocks)



Multiple cable colors
Meet your rich and beautiful cabling management needs

