

iCONEC® Structured Copper Cabling Solutions

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- 100-pair 110 Distribution Frames
- 110-RJ45 Patch Cord
- 110-110 Patch Cord



iCONEC® Copper Cable Solutions

Cat.6A STP

Applications

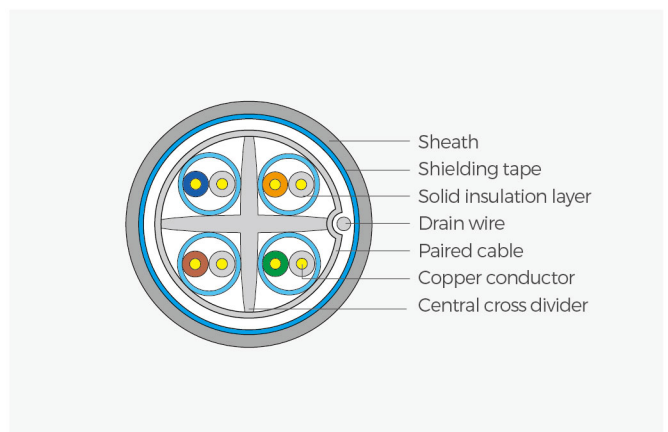
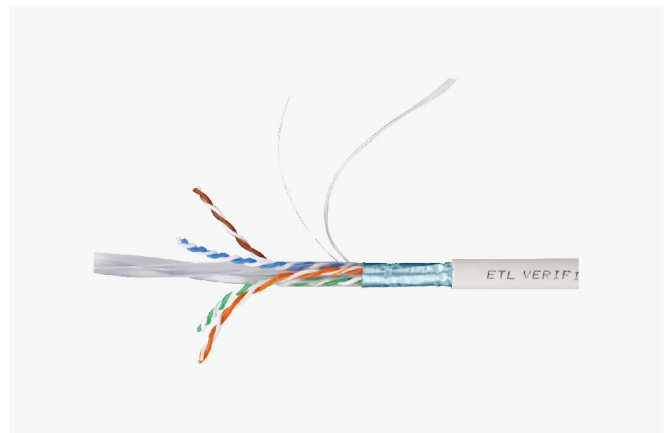
Cat.6A STP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

Characteristics

- 23AWG
- Central cross frame structure
- Frequency: 500MHz
- F/UTP, overall shielding with aluminum foil
- Maximum tension: 400N
- Maximum conductor resistance: $75\Omega/\text{km}$
- Insulating material: HDPE

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Shielding: F/UTP, overall shielding with aluminum foil, central cross frame structure. S/FTP, general shielding with screen mesh and individual shielding with aluminum foil for each pair.
- Insulation: Foamed PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.



Complied Standards

- Comply with ISO / IEC11801&ANSI/TIA-568.2-D Cat.6A&UL Subject 444&YD/T1019 and other related standards.
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000M Ω ·km
Characteristic impedance	4-100MHz 100 \pm 15 Ω
	101-250MHz 100 \pm 20 Ω
	251-500MHz 100 \pm 25 Ω
Delay skew	\leq 45ns/100m
Operation Temperature	Installation Temperature: -20 $^{\circ}$ C to +60 $^{\circ}$ C Operation Temperature: -40 $^{\circ}$ C to +70 $^{\circ}$ C Cold bending: -20 $^{\circ}$ C \times 4h no crack
Permissible bending radius during installation	8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75 Ω /km(23AWG)
	95 Ω /km(24AWG)
Insulating material	HDPE
Minimum insulation resistance	100M Ω /km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
iCONEC-CC6AFH13IW004	Cat 6a STP, F/UTP, LSZH-1, 23AWG, White, 305m/axis.
iCONEC-CC6AFCM3BU004	Cat 6a STP, F/UTP, CM, 23AWG, Blue, 305m/axis.
iCONEC-CC6AFCR3BU004	Cat 6a STP, F/UTP, CMR, 23AWG, Blue, 305m/axis.
iCONEC-CC6AFVC3BU004	Cat 6a STP, F/UTP, PVC, 23AWG, Blue, 305m/axis.
iCONEC-CC6AFH33IW004	Cat 6a STP, F/UTP, LSZH-3, 23AWG, White, 305m/axis.
iCONEC-CC6ASH13IW004	Cat 6a STP, S/FTP, LSZH-1, 23AWG, White, 305m/box.
iCONEC-CC6ASCM3BU004	Cat 6a STP, S/FTP, CM, 23AWG, Blue, 305m/box.
iCONEC-CC6ASCR3BU004	Cat 6a STP, S/FTP, CMR, 23AWG, Blue, 305m/box.
iCONEC-CC6ASVC3BU004	Cat 6a STP, S/FTP, PVC, 23AWG, Blue, 305m/box.
iCONEC-CC6ASH33IW004	Cat 6a STP, S/FTP, LSZH-3, 23AWG, White, 305m/box.

Cat.6A UTP

Applications

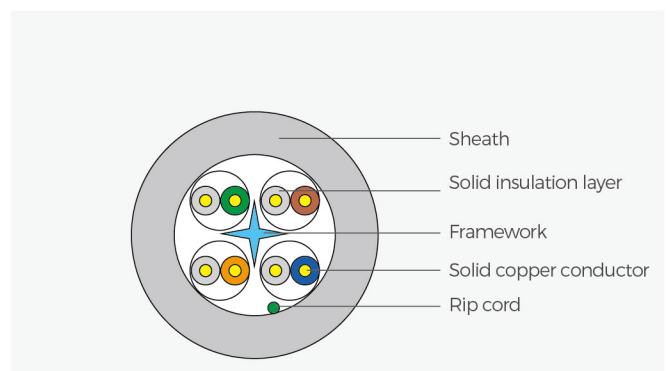
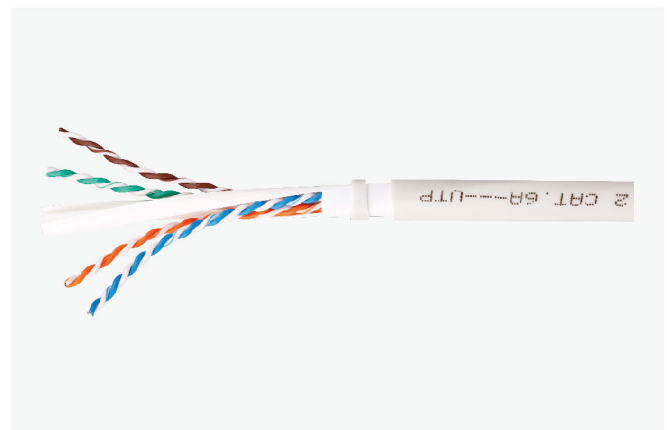
Cat.6A UTP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

Characteristics

- Cat.6A UTP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Compact cable design. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.
- The central frame structure separates the twisted pairs to improve crosstalk performance.
- It meets the network transmission requirements for 10 gigabit Ethernet.



Complied Standards

- Comply with ISO/IEC11801&ANSI/TIA-568.2-D Cat. 6A&ULSubject444&YD/T1019 and other related standards. Comply with
- RoHS2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to:IEC 60332-1and IEC60332-3; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-100MHz 100±15Ω 101-250MHz 100±20Ω 251-500MHz 100±25Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20°C to +60°C Operation Temperature: -40°C to +70°C Cold bending: -20°C×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75Ω/km (23AWG, LSZH-1) 85Ω/km (24AWG, CM, PVC)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
iCONEC-CC6AUH13IW004	Cat 6a UTP, UTP, LSZH-1, 23AWG, White, 305m/box.
iCONEC-CC6AUUCM3BU004	Cat 6a UTP, UTP, CM, 23AWG, Blue, 305m/box.
iCONEC-CC6AUUCR3BU004	Cat 6a UTP, UTP, CMR, 23AWG, Blue, 305m/box.
iCONEC-CC6AUVC3BU004	Cat 6a UTP, UTP, PVC, 23AWG, Blue, 305m/box.
iCONEC-CC6AUH33IW004	Cat 6a UTP, UTP, LSZH-3, 23AWG, White, 305m/box.
iCONEC-CC6AUH14IW004	Cat 6a UTP, UTP, LSZH-1, 24AWG, White, 305m/box.
iCONEC-CC6AUUCM4BU004	Cat 6a UTP, UTP, CM, 24AWG, Blue, 305m/box.
iCONEC-CC6AUUCR4BU004	Cat 6a UTP, UTP, CMR, 24AWG, Blue, 305m/box.
iCONEC-CC6AUVC4BU004	Cat 6a UTP, UTP, PVC, 24AWG, Blue, 305m/box.
iCONEC-CC6AUH34IW004	Cat 6a UTP, UTP, LSZH-3, 24AWG, White, 305m/box.

Cat.6 STP

Applications

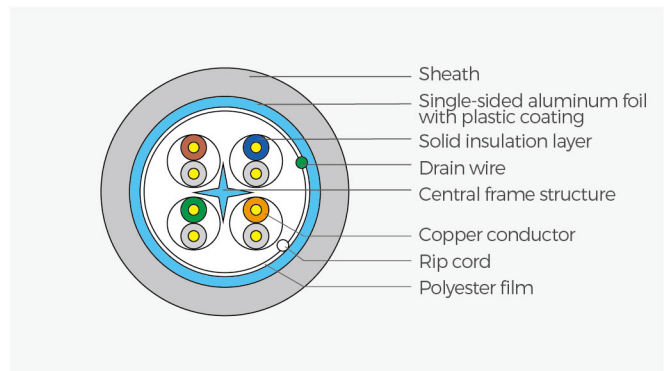
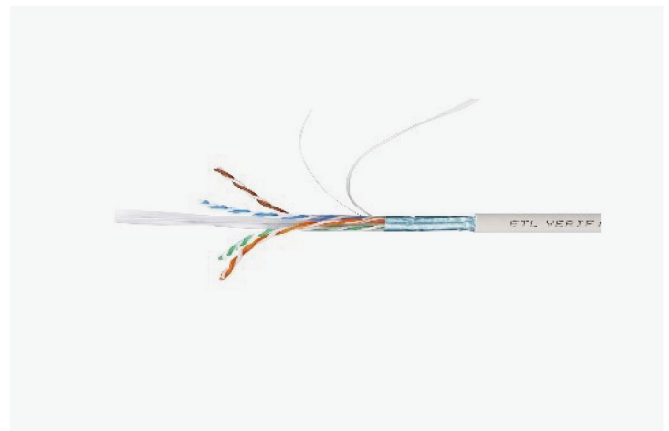
Cat.6 STP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

Characteristics

- Cat.6 STP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Compact cable design. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Shielding: F/UTP, overall shielding with aluminum foil, central cross frame structure.
- Insulation: Foamed PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.
- The central frame structure separates the twisted pairs to improve crosstalk performance.
- Lower distortion and latency distinguish its superior performance in the gigabit Ethernet.



Complied Standards

- Comply with ISO/IEC11801&ANSI/TIA-568.2-DCat.6&UL Subject 444&YD/T1019 and other related standards.
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ.km
Characteristic impedance	4-250MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20°C to +60°C Operation Temperature: -40°C to +70°C Cold bending: -20°C×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	85Ω/km(23AWG)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
iCONEC-CCC6FH13IW004	Cat 6 STP, F/UTP, LSZH-1, 23AWG, White, 305m/box.
iCONEC-CCC6FCM3BU004	Cat 6 STP, F/UTP, CM, 23AWG, Blue, 305m/box.
iCONEC-CCC6FCR3BU004	Cat 6 STP, F/UTP, CMR, 23AWG, Blue, 305m/box.
iCONEC-CCC6FVC3BU004	Cat 6 STP, F/UTP, PVC, 23AWG, Blue, 305m/box.
iCONEC-CCC6FH33IW004	Cat 6 STP, F/UTP, LSZH-3, 23AWG, White, 305m/box.

Cat.6 UTP

Applications

Cat.6A UTP is mainly used for connections in building horizontal cables, EDA, HDA and other areas of the data center.

Characteristics

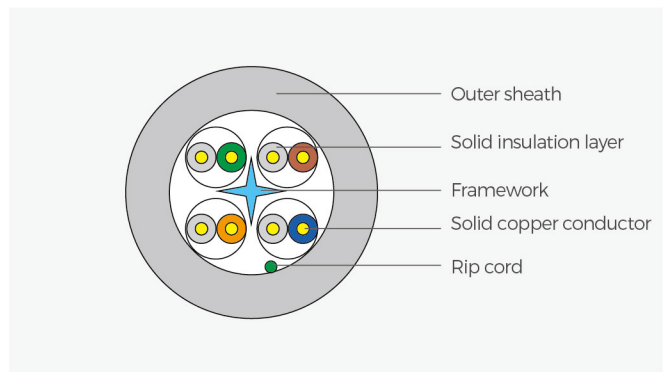
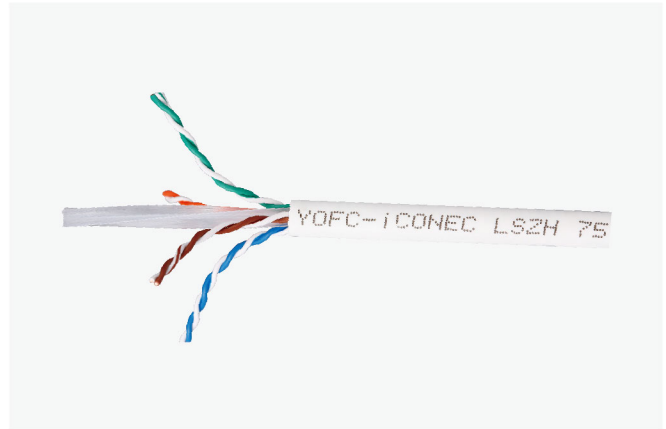
- Cat.6 UTP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Compact cable design. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Suitable for all ICT network applications that comply with EN50173-1 and ISO/IEC11801 standards. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: Solid copper conductor
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.

Complied Standards

- Comply with Cat.6 ISO/IEC11801&TIA/EIA-568.2-D&UL Subject 444&YD/T1019 and other related standards.
- Comply with RoHS2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2



Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ·km
Characteristic impedance	4-250MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20°C to +60°C Operation Temperature: -40°C to +70°C Cold bending: -20°C×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75 Ω/km (23AWG, LSZH-1, CM) 89 Ω/km (23AWG, LSZH-3, PVC) 93.8 Ω/km (24AWG, LSZH-1, CM)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
iCONEC-CCC6UH13IW004	Cat 6 UTP, UTP, LSZH-1, 23AWG, White, 305m/box.
iCONEC-CCC6UCM3BU004	Cat 6 UTP, UTP, CM, 23AWG, Blue, 305m/box.
iCONEC-CCC6UCR3BU004	Cat 6 UTP, UTP, CMR, 23AWG, Blue, 305m/box.
iCONEC-CCC6UVC3BU004	Cat 6 UTP, UTP, PVC, 23AWG, Blue, 305m/box.
iCONEC-CCC6UH33IW004	Cat 6 UTP, UTP, LSZH-3, 23AWG, White, 305m/box.
iCONEC-CCC6UH14IW004	Cat 6 UTP, UTP, LSZH-1, 24AWG, White, 305m/box.
iCONEC-CCC6UCM4BU004	Cat 6 UTP, UTP, CM, 24AWG, Blue, 305m/box.
iCONEC-CCC6UCR4BU004	Cat 6 UTP, UTP, CMR, 24AWG, Blue, 305m/box.
iCONEC-CCC6UVC4BU004	Cat 6 UTP, UTP, PVC, 24AWG, Blue, 305m/box.
iCONEC-CCC6UH34IW004	Cat 6 UTP, UTP, LSZH-3, 24AWG, White, 305m/box.

Cat.5e STP

Applications

Cat.5e STP is mainly used for connections in building horizontal cables.

Characteristics

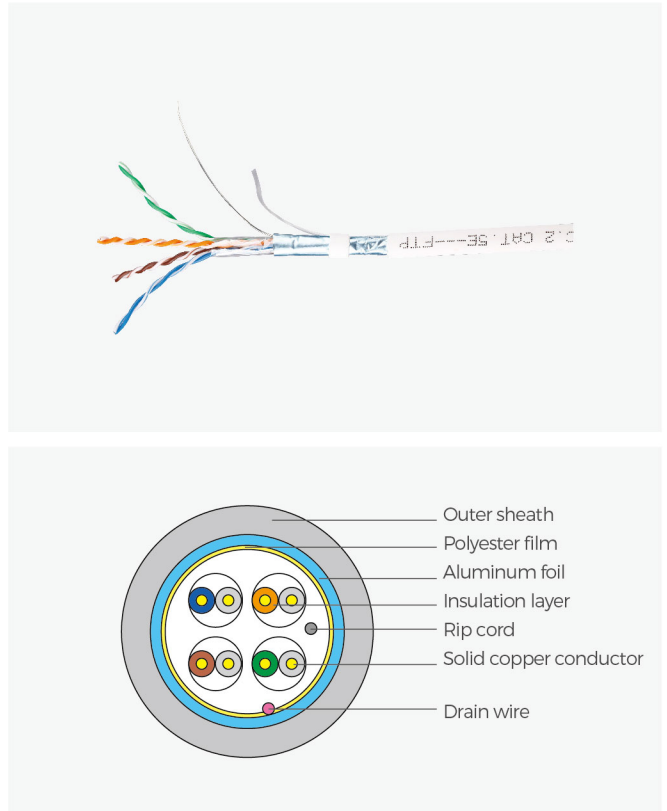
- Cat.5e STP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. General shielding with aluminum foil. With its lightweight structure and excellent shielding performance, it can be used for 100MHz duplex transmission systems. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: 24AWG solid copper conductor
- Shielding: F/UTP, overall shielding with aluminum foil,
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.

Complied Standards

- Comply with ANSI/TIA 568.2-D Cat.5e, ISO/IEC 11801, UL, Subject 444 & YD/T1019 and other relevant standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2



Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ.km
Characteristic impedance	4-100MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20°C to +60°C Operation Temperature: -40°C to +70°C Cold bending: -20°C×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	95Ω/km (LSZH-1) 148Ω/km (CM, PVC)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
iCONEC-CC5EFH14IW004	Cat 5e STP, F/UTP, LSZH-1, 24AWG, White, 305m/box.
iCONEC-CC5EFCM4BU004	Cat 5e STP, F/UTP, CM, 24AWG, Blue, 305m/box.
iCONEC-CC5EFCR4BU004	Cat 5e STP, F/UTP, CMR, 24AWG, Blue, 305m/box.
iCONEC-CC5EFVC4BU004	Cat 5e STP, F/UTP, PVC, 24AWG, Blue, 305m/box.
iCONEC-CC5EFH14IW004	Cat 5e STP, F/UTP, LSZH-1, 24AWG, White, 305m/box.

Cat.5e UTP

Applications

Cat.5e UTP is mainly used for connections in building horizontal cables.

Characteristics

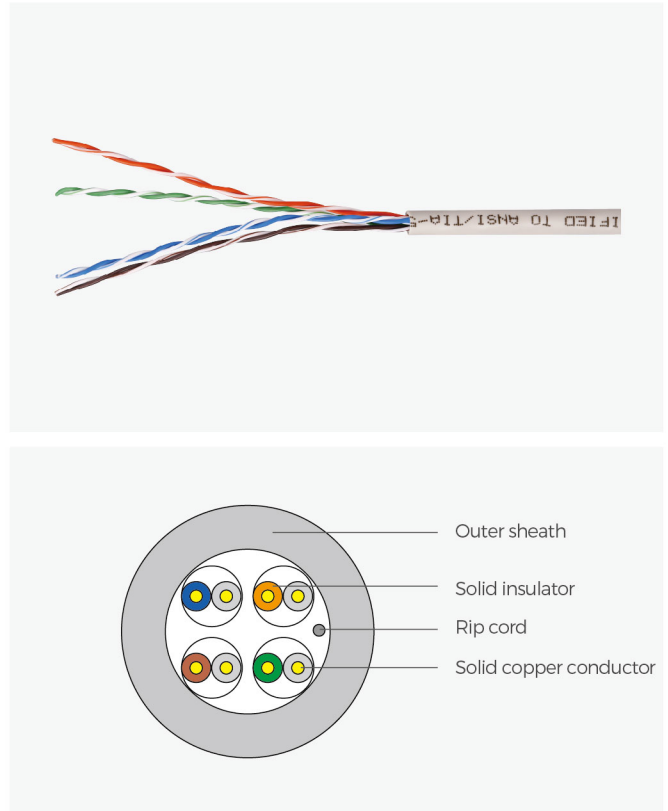
- Cat.5e UTP features high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Data twisted pairs are suitable for structured cabling, and can be used to transmit digital signals or analog voice, video and data signals. Suitable for all ICT network applications that comply with EN50173-1 and ISO/IEC11801 standards. Applicable to the Power over Ethernet.

Material and Structural Dimensions

- Conductor: 24AWG solid copper conductor
- Insulation: Solid PE
- Sheath: LSZH, CM, CMR, CMP and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 100MHz, and it can meet the network transmission requirements for the 100M Ethernet.

Complied Standards

- Comply with ANSI/TIA 568.2-D Cat.5e, ISO/IEC 11801, UL, Subject 444 & YD/T1019 and other related standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2



Main Technical Parameters

Content	Technical Index
Maximum resistance imbalance	2%
Insulation resistance	>5000MΩ.km
Characteristic impedance	4-100MHz 100±15Ω
Delay skew	≤ 45ns/100m
Operation Temperature	Installation Temperature: -20°C to +60°C Operation Temperature: -40°C to +70°C Cold bending: -20°C×4h no crack
Permissible bending radius during installation	Not less than 8 times the outer diameter of the twisted pair.
Bending radius	Static for 10 times the cable diameter, dynamic for 20 times the cable diameter.
Maximum tension	400N
Maximum conductor resistance	75Ω/km (23AWG, LSZH-1, CM) 89Ω/km (23AWG, LSZH-3, PVC) 93.8Ω/km (24AWG, LSZH-1, CM)
Insulating material	HDPE
Minimum insulation resistance	100MΩ/km
Dielectric strength	500Vac/1min
Package	305m/box

Product Model

Product Model	Product Description
iCONEC-CC5EUH14IW004	Cat 5e UTP, UTP, LSZH-1, 24AWG, White, 305m/box.
iCONEC-CC5EUCM4BU004	Cat 5e UTP, UTP, CM, 24AWG, Blue, 305m/box.
iCONEC-CC5EUCR4BU004	Cat 5e UTP, UTP, CMR, 24AWG, Blue, 305m/box.
iCONEC-CC5EUVC4BU004	Cat 5e UTP, UTP, PVC, 24AWG, Blue, 305m/box
iCONEC-CC5EUH14IW004	Cat 5e UTP, UTP, LSZH-1, 24AWG, White, 305m/box.

iCONEC® Copper Patch Cord Solutions

Cat.6A Shielded Patch Cords

Applications

Cat.6A Shielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.

Characteristics

- Cat.6A Shielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Shielding structure is applied to the cable structure to enable outstanding shielding effect. Compact cable design



Material and Structural Dimensions

- Conductor: 26AWG/28AWG multi-strand cable, S/FTP structure
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 500MHz, and it can meet the network transmission requirements for the 10-gigabit Ethernet
- Durability \geq 1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
iCONEC-CP6ASH16IW-020	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 2m
iCONEC-CP6ASH16IW-030	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 3m
iCONEC-CP6ASH16IW-050	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 5m

iCONEC-CP6ASH16IW-100	Cat 6a Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 10m.
iCONEC-CP6ASCM6BU-020	Cat 6a Shielded Patch Cord, S/FTP, CM, 26AWG, White, 2m
iCONEC-CP6ASCM6BU-030	Cat 6a shielded patch cord, S/FTP, CM, 26AWG, Blue, 3m.
iCONEC-CP6ASCM6BU-050	Cat 6a shielded patch cord, S/FTP, CM, 26AWG, Blue, 5m.
iCONEC-CP6ASCM6BU-100	Cat 6a shielded patch cord, S/FTP, CM, 26AWG, Blue, 10m.

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

Cat.6A Unshielded Patch Cords

Applications

Cat.6A Unshielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.

Characteristics

- Cat.6A Unshielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards.



Material and Structural Dimensions

- Conductor: 26AWG/28AWG multi-strand cable
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 500MHz, and it can meet the network transmission requirements for the 10-gigabit Ethernet
- Durability ≥ 1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
iCONEC-CP6AUH16IW-020	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 2m
iCONEC-CP6AUH16IW-030	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 3m
iCONEC-CP6AUH16IW-050	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 5m
iCONEC-CP6AUH16IW-100	Cat 6a Unshielded Patch Cord, UTP, LSZH-1, 26AWG, White, 10m
iCONEC-CP6AUCM6BU-020	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 2m
iCONEC-CP6AUCM6BU-030	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 3m
iCONEC-CP6AUCM6BU-050	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 5m
iCONEC-CP6AUCM6BU-100	Cat 6a Unshielded Patch Cord, UTP, CM, 26AWG, Blue, 10m

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

Cat.6 Shielded Patch Cords

Applications

Cat.6A Shielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.

Characteristics

- Cat.6 Shielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Shielding structure is applied to the cable structure to enable outstanding shielding effect. Compact cable design



Material and Structural Dimensions

- Conductor: 26AWG multi-strand cable has S/FTP and FTP structures.
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 250MHz, and it can meet the network transmission requirements for the gigabit Ethernet
- Durability ≥ 1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards.
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
iCONEC-CPC6SH16IW-020	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 2m
iCONEC-CPC6SH16IW-030	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 3m
iCONEC-CPC6SH16IW-050	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 5m
iCONEC-CPC6SH16IW-100	Cat 6 Shielded Patch Cord, S/FTP, LSZH-1, 26AWG, White, 2m
iCONEC-CPC6SCM6BU-020	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 2m
iCONEC-CPC6SCM6BU-030	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 3m
iCONEC-CPC6SCM6BU-050	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 5m
iCONEC-CPC6SCM6BU-100	Cat 6 Shielded Patch Cord, S/FTP, CM, 26AWG, Blue, 10m
iCONEC-CPC6FH16IW-020	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, White, 2m
iCONEC-CPC6FH16IW-030	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, White, 3m
iCONEC-CPC6FH16IW-050	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, white 5 m
iCONEC-CPC6FH16IW-100	Cat 6 Shielded Patch Cord, S/FTP, LSZH, 26AWG, White, 10m

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

Cat.6 Unshielded Patch Cords

Applications

Cat.6 Unshielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.

Characteristics

- Cat.6 Unshielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards.



Material and Structural Dimensions

- Conductor: 24AWG/26AWG/28AWG multi-strand cable with central cross frame structure
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 250MHz, and it can meet the network transmission requirements for the gigabit Ethernet
- Durability ≥ 1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
iCONEC-CPC6UH14IW-020	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 2m
iCONEC-CPC6UH14IW-030	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 3m
iCONEC-CPC6UH14IW-050	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 5m
iCONEC-CPC6UH14IW-100	Cat 6 Unshielded Patch Cord, UTP, LSZH-1, 24AWG, White, 10m
iCONEC-CPC6UCM4BU-020	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG Blue, 2m
iCONEC-CPC6UCM4BU-030	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 3m
iCONEC-CPC6UCM4BU-050	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 5m
iCONEC-CPC6UCM4BU-100	Cat 6 Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 10m

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

Cat.5e Shielded Patch Cords

Applications

Cat.5e Shielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.

Characteristics

- Cat.5e Shielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards. Shielding structure is applied to the cable structure to enable outstanding shielding effect. Compact cable design.



Material and Structural Dimensions

- Conductor: 26AWG multi-strand stranded cord cable, F/UTP
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 100MHz, and it can meet the network transmission requirements for the 100M Ethernet
- Durability \geq 1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
iCONEC-CP5EFH14IW-020	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 2m
iCONEC-CP5EFH14IW-030	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 3m.
iCONEC-CP5EFH14IW-050	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 5m.
iCONEC-CP5EFH14IW-100	Cat 5e Shielded Patch Cord, F/UTP, LSZH-1, 24AWG, White, 10m.

iCONEC-CP5EFCM4BU-020	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 2m
iCONEC-CP5EFCM4BU-030	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 3m
iCONEC-CP5EFCM4BU-050	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 5m
iCONEC-CP5EFCM4BU-100	Cat 5e Shielded Patch Cord, F/UTP, CM, 24AWG, Blue, 10m

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

iCONEC® Copper Fittings and Accessories Solutions

Cat.5e Unshielded Patch Cords

Applications

Cat.5e Unshielded Patch Cord is mainly applied to the connections between information modules, distribution frames, switches and equipment.



Characteristics

- Cat.5e Unshielded Patch Cords feature high-quality electrical and mechanical performance that exceeds the requirements of ISO/IEC11801 and ANSI/TIA-568.2-D standards.

Material and Structural Dimensions

- Conductor: 24AWG multi-strand stranded cord cable, U/UTP
- Sheath: LSZH, CM, PVC (No-rating) and other flame-retardant classifications are provided.
- The bandwidth exceeds the required standard 100MHz, and it can meet the network transmission requirements for the 100M Ethernet
- Durability ≥ 1250 times
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Contact pins: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.

Complied Standards

- Comply with the requirements of ISO/IEC 11801-2002 version and ANSI/TIA/EIA568-D series connecting hardware and UL444 standards
- Comply with RoHS 2.0 and European Directive 2011/65/EU RoHS Compliance
- LSZH Cable: Flame retardant property conforms to: IEC60332-1 and IEC60332-3C; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2 smoke concentration standard: IEC61034-2

Product Model

Product Model	Product Description
iCONEC-CP5EUH14IW-020	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 2m
iCONEC-CP5EUH14IW-030	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 3m
iCONEC-CP5EUH14IW-050	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 5m
iCONEC-CP5EUH14IW-100	Cat 5e Unshielded Patch Cord, S/FTP, LSZH-1, 24AWG, White, 10m
iCONEC-CP5EUCM4BU-020	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 2m
iCONEC-CP5EUCM4BU-030	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 3m
iCONEC-CP5EUCM4BU-050	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 5m
iCONEC-CP5EUCM4BU-100	Cat 5e Unshielded Patch Cord, UTP, CM, 24AWG, Blue, 10m

Copper Cable Distribution Frames

Applications

Mainly applicable to the building low voltage room, and the server cabinet

Characteristics

- 1U Height
- Standard straight and angled versions are available for optimizing cable and space management
- Support the installation of general Keystone information modules
- The cold-rolled steel plate with a thickness of 1.6mm is sprayed with electrostatic powder
- Supplied with supporting accessories for rear cable management



Product Model

Product Model	Product Description
iCONEC-CFDPUNU2401E	Distribution frame/shielded and unshielded general plane-type empty distribution frame, 1U, 24-port, black, without modules
iCONEC-CFDAUNU2401E	Distribution frame/unshielded angled empty distribution frame, 1U, 24-port, black, without modules
iCONEC-CFDAUNF2401E	Distribution frame/shielded angled empty distribution frame, 1U, 24-port, black, without modules
iCONEC-CFDP5EU2401	Cat 5e Unshielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
iCONEC-CFDP5EF2401	Cat 5e Categories Shielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
iCONEC-CFDPC6U2401	Cat 6 Unshielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
iCONEC-CFDPC6F2401	Cat 6 Shielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
iCONEC-CFDP6AU2401	Cat 6a Unshielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped
iCONEC-CFDP6AF2401	Cat 6a Shielded Distribution Frame, 1U, 24-port, black, 24-module, unequipped

Cat.6A Shielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- 360° total shielding structure with zinc alloy; Terminate solid conductor 22AWG-24AWG
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 100u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: FR4, with a thickness of 1.6mm
- Insertion force $\leq 30N$, withdrawal force $\geq 30N$
- Durability ≥ 750 times
- Termination ≥ 250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistance $\geq 500M\Omega@100V$
- Rated DC current: 1.5Amps
- DC resistance: $\leq 0.1\Omega$
- Storage temperature: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
- Operation Temperature: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
- Relative humidity 10% - 90%RH



Complied Standards

- Comply with TIA/EIA-568-C.2, Cat.6A and the information channel performance requirements as defined in ISO/IEC 11801 Class E
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
iCONEC-CFM6AFRMT	Cat 6a Shielded RJ45 Information Module/180° No Wire Bonding/White/Outer Shell of Zinc Alloy

Cat.6A Unshielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- Transmission performance exceeds the requirements of Cat.6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Plastic shell: PC material, UL94V-0, white; Terminate solid conductor 22AWG-24AWG
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: FR4, with a thickness of 1.6mm
- Insertion force $\leq 20N$, withdrawal force $\geq 20N$
- Durability ≥ 750 times
- Termination ≥ 250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistance $\geq 500M\Omega@100V$
- Rated DC current: 1.5Amps
- DC resistance: $\leq 0.1\Omega$



- Storage temperature: -10 °C to 60 °C
- Operation Temperature: -10 °C to 60 °C
- Relative humidity 10%-90%RH

Complied Standards

- Transmission performance exceeds the requirements of Cat.6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
iCONEC-CFM6AUEIW	Cat 6a Unshielded RJ45 Information Module/180° Wire Bonding/White
iCONEC-CFM6AURIW	Cat 6a Unshielded RJ45 Information Module/180° No Wire Bonding/White

Cat 6 Shielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- 360° total shielding structure with zinc alloy
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 100u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: FR4, with a thickness of 1.6mm
- Plastic shell: PC material, UL94V-0, white
- Insertion force $\leq 30\text{N}$, withdrawal force $\geq 30\text{N}$
- 4. PCB board: FR4, with a thickness of 1.6mm
- Durability ≥ 750 times
- Termination ≥ 250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistance $\geq 500\text{M}\Omega@100\text{V}$
- Rated DC current: 1.5Amps
- DC resistance: $\leq 0.1\Omega$
- Storage temperature: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
- Operation Temperature: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
- Relative humidity 10% - 90%RH



Complied Standards

- Transmission performance exceeds the requirements of Cat.6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
iCONEC-CFMC6FEMT	Cat 6 Shielded RJ45 Information Module/180° Wire Bonding/Steel Casing
iCONEC-CFMC6FRMT	Cat 6 Shielded RJ45 Information Module/180° No Wire Bonding/Outer Shell of Zinc Alloy

Cat 6 Unshielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- Plastic casing: PC material, UL94V-0; Terminate solid conductor 22AWG-24AWG
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- PCB board: Made of FR-4 with a thickness of 1.6 mm
- Material of contact pins: Phosphor bronze
- Insertion force $\leq 20N$, withdrawal force $\geq 20N$
- Comply with UL 94V-0 specifications
- Durability ≥ 750 times
- Termination ≥ 250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistance $\geq 500M\Omega @100V$
- Rated DC current: 1.5Amps
- DC resistance: $\leq 0.1\Omega$
- Storage temperature: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
- Operation Temperature: $-10\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$
- Relative humidity 10% - 90%RH



Complied Standards

- Transmission performance meets: The requirements of Cat 6 and Class E for connecting hardware in EIA/TIA 568 C.2 and ISO/IEC 11801
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
iCONEC-CFMC6UEIW	Cat 6 Unshielded RJ45 Information Module/180° Wire Bonding/White
iCONEC-CFMC6URIW	Cat 6 Unshielded RJ45 Information Module/180° No Wire Bonding/White

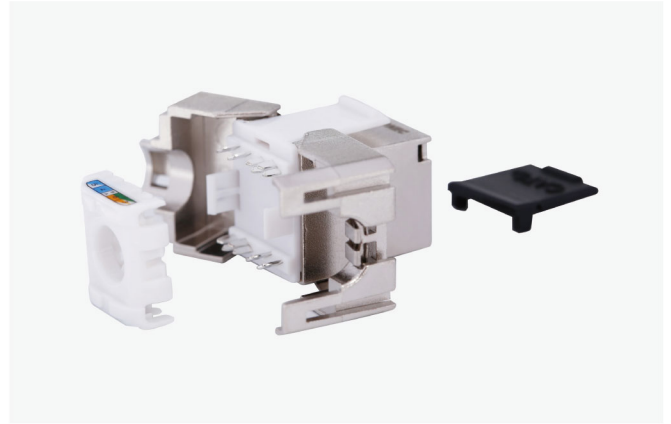
Cat 5e Shielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- 360° total shielding structure with zinc alloy; Support solid or multi-strand cables of 22-24AWG.
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- Maximum contact resistance 20mΩ, IDC maximum contact resistance 2.5mΩ
- Tool-free termination method is adopted to form 8-core wires at once.
- Insertion force ≤ 30N, withdrawal force ≥ 30N
- Durability ≥750 times
- Termination ≥200 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistance ≥500MΩ@100V
- Rated DC current: 1.5Amps
- DC resistance: ≤ 0.1Ω
- Storage temperature: -10 °C to 60 °C
- Operation Temperature: -10 °C to 60 °C
- Relative humidity 10% - 90%RH



Complied Standards

- Comply with channel performance requirements as defined in TIA/EIA-568-C.2-10 Cat.5E and ISO/IEC 11801 Class D
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
iCONEC-CFM5EFEMT	Cat 5e Shielded RJ45 Information Module/180° Wire Bonding/White/Steel Casing
iCONEC-CFM5EFRMT	Cat 5e Shielded RJ45 Information Module/180° No Wire Bonding/White/Outer Shell of Zinc Alloy

Cat 5e Unshielded Information Module

Applications

Suitable for Cat.6A shielding system, it supports transmission with 10GBase-T rate.

Characteristics

- Plastic shell: PC material, UL94V-0, white; Terminate solid conductor 22AWG-24AWG
- Maximum contact resistance 20mΩ, IDC maximum contact resistance 2.5mΩ
- Gold-plated needles in sockets: They are made of phosphor bronze with a thickness of 0.35mm. The bottom plated with 80u nickel is plated again with 50u gold.
- IDC terminal: It is made of phosphor bronze with a thickness of 0.4mm, plated with 100u nickel
- Insertion force ≤ 20N, withdrawal force ≥ 20N
- Support solid or multi-strand cables of 22-24AWG.
- Durability ≥750 times
- Termination ≥250 times
- Electrical Performance
- Compression strength: 1000V AC/1min Insulation resistance ≥500MΩ @100V
- Rated DC current: 1.5Amps
- DC resistance: ≤ 0.1Ω
- Storage temperature: -10 °C to 60 °C
- Operation Temperature: -10 °C to 60 °C
- Relative humidity 10% - 90%RH



Complied Standards

- Comply with channel performance requirements as defined in TIA/EIA-568-C.2-10 Cat.5E and ISO/IEC 11801 Class D
- Contact pins comply with FCC part 68, Subpart and IEC 60603-7 standard.

Product Model

Product Model	Product Description
iCONEC-CFM5EUEIW	Cat 5e Unshielded RJ45 Information Module/ 180° Wire Bonding/White
iCONEC-CFM5EURIW	Cat 5e Unshielded RJ45 Information Module/ 180° No Wire Bonding/White

Cable Management Panel

Applications

Suitable for the interior horizontal cable trimming of a standard 19-inch cabinet.

Material and Structural Dimensions

- Different materials like plastic and sheet metal are available.
- The structure is specially designed to protect cables and meet their minimum bending radius.
- 1U height with a compact structure.
- The surface cover can be disassembled to facilitate the management of patch cords. It is beneficial to protect patch cords with the cover.



Product Model

Product Model	Product Description
iCONEC-CFL2401LP	Horizontal Cable Management Panel with the height of 1U, 24-port
iCONEC-CFL1201LP	Horizontal Cable Management Panel with the height of 1U, 12-port

Copper Faceplate

Applications

Applied in working areas, data modules, voice modules, and so on with the support of dual-port and four-port information panels. It can provide the outgoing interface for user terminals (telephones, televisions and computers), which is suitable for multi-type module installation, and applied in the cabling subsystem of working areas.



Material and Structural Dimensions

- Flame-retardant polycarbonate material is adopted, and the flame retardant property can reach UL94V-0
- Have dustproof covers (plain top) designed with swing doors, and transparent label clips.
- Dustproof covers can prevent dust.
- The integrated structure is designed with the front and rear double-layer panels, which may avoid the exposure of fixed screw holes to look good in appearance.
- Smooth-surface design is adopted to increase the matching with high voltage faceplates.
- 86 × 86 series national standard products with a single port, dual ports and four ports are provided
- Conform to domestic functional quality, and support the use of the 86 national standard bottom case.

Product Model

Product Model	Product Description
iCONEC-CFPP1	86-type Single-port Panel
iCONEC-CFPP2	86-type Dual-port Panel
iCONEC-CFPP4	86-type Four-port Panel

Fiber Optic Faceplate

Applications

Applied in working areas, data modules, voice modules, optical fiber modules, and so on with the support of single-port and dual-port information panels. It can provide the outgoing interface for user terminals (telephones, televisions and computers), which is suitable for multi-type module installation, and applied in the cabling subsystem of working areas.

Material and Structural Dimensions

- Flame-retardant polycarbonate material is adopted, and the flame retardant property can reach UL94V-0
- The port is tilted downwards by 45°, and copper modules and fiber optic couplers can be installed.
- Have dustproof covers (plain top) designed with swing doors, and transparent label clips.
- The integrated structure is designed with the front and rear double-layer panels, which may avoid the exposure of fixed screw holes to look good in appearance.
- It can be disassembled on its front face to maintain internal couplers and pigtails without removing screws.
- Smooth-surface design is adopted to increase the matching with high voltage faceplates.



- 86 × 86 series national standard products with a single port and dual ports are provided,
- Conform to domestic functional quality, and support the use of the 86 national standard bottom case.

Product Model

Product Model	Product Description
iCONEC-OFPA1	86-type optical fiber single-port panel, 45° bevel, without the 86 bottom case
iCONEC-OFPA2	86-type optical fiber dual-port panel, 45° bevel, without the 86 bottom case
iCONEC-OPASUA	SC simplex single-mode coupler pair, UPC Long ears, screw fixing
iCONEC-OPASUA	SC simplex multimode coupler pair, UPC Long ears, screw fixing
iCONEC-OPADUD	LC duplex single-mode coupler pair, UPC Long ears, screw fixing, SC shape
iCONEC-OPADUB	LC duplex multimode coupler pair, UPC Long ears, screw fixing, SC shape

Crystal Plug

Applications

A crystal plug is a standardized telecommunication network interface, which can support voice and data transmission.



Characteristics

Tension testing	Durability testing
≥20 pounds	1200 times

Appliance Property

UL application	Withstanding voltage	Contact resistance
250V VOLTS AC, Maximum 2AMPS	1000V VOLTS AC 60 seconds	< 20mΩ

Material

Plastic body	Color	Gold plaque	Gold plating thickness	Copper shell
Polycarbonate UL-94V-0 or UL-94V-2	Transparent, or in accordance with the requirements of customers	Copper alloy	3u to 50u are available.	Copper alloy

Appliance Property

Applicable wire rod
23-26AWG, single-strand and multi-strand

Product Model

Product Model	Product Description
iCONEC-CFV5EF1	Cat 5e Shielded Crystal Plug 100PCS/Box
iCONEC-CFV5EU1	Cat 5e Unshielded Crystal Plug 100PCS/Box
iCONEC-CFVC6F1	Cat 6 Shielded Crystal Plug 100PCS/Box
iCONEC-CFVC6U1	Cat 6 Unshielded Crystal Plug 100PCS/Box
iCONEC-CFV6AF1	Cat 6a Shielded Crystal Plug 100PCS/Box
iCONEC-CFVC3U2	RJ11 Crystal Plug, Cat 3, 30μ gold-plated layer, 100PCS/box

iCONEC® Voice System Solutions

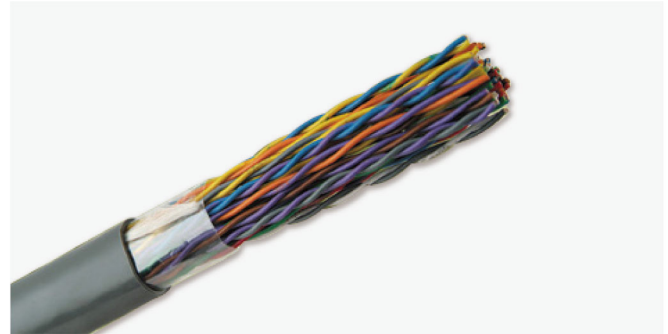
Cat 3 Indoor Multipair Copper Cables

Applications

Applied in the vertical main subsystem to connect the main voice distribution frame in buildings and voice distribution frames of all floors.

Characteristics

- Conductor: Solid copper conductor, 26AWG
- Sheath: Flame-retardant PVC or halogen-free flame-retardant LSZH
- Meet the network transmission requirements for voice



Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001
- LSZH Cable: Flame retardant property conforms to: IEC60332-1; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2; Smoke concentration standard: IEC61034-2
- CMR cables: Comply with UL-1666

Main Technical Parameters

Content	Technical Index
Cable diameter	25 pairs: 8.8±2.0mm 50 pairs: 13.0±2.0mm 100 pairs: 18.0±2.0mm
Maximum DC resistance	≤14.8Ω/100m
Minimum insulation resistance	100MΩ/km
Dielectric strength	500VAC/1min
Operation Temperature	Installation Temperature: 0°C to +70°C Operating temperature: -20°C to +70°C Storage temperature: -20°C to +70°C
Package	305m/box

Product Model

iCONEC-CCC3UVC6IG100	100 pairs of Cat 3 multipair, UTP, PVC, 26AWG, grey, 305m/box
iCONEC-CCC3UCM6IG100	100 pairs of Cat 3 multipair, UTP, CM, 26AWG, grey, 305m/box
iCONEC-CCC3UH16IG100	100 pairs of Cat 3 multipair, UTP, LSZH-1, 26AWG, grey, 305m/box
iCONEC-CCC3UVC6IG050	50 pairs of Cat 3 multipair, UTP, PVC, 26AWG, grey, 305m/box
iCONEC-CCC3UCM6IG050	50 pairs of Cat 3 multipair, UTP, CM, 26AWG, grey, 305m/box
iCONEC-CCC3UH16IG050	50 pairs of Cat 3 multipair, UTP, LSZH-1, 26AWG, grey, 305m/box
iCONEC-CCC3UVC6IG025	25 pairs of Cat 3 multipair, UTP, PVC, 26AWG, grey, 305m/box
iCONEC-CCC3UCM6IG025	25 pairs of Cat 3 multipair, UTP, CM, 26AWG, grey, 305m/box
iCONEC-CCC3UH16IG025	25 pairs of Cat 3 multipair, UTP, LSZH-1, 26AWG, grey, 305m/box

Cat 5e Indoor Multipair Copper Cables

Applications

Applied in the vertical main subsystem to connect the main voice distribution frame in buildings and voice distribution frames of all floors.

Characteristics

- Conductor: Solid copper conductor, 26AWG
- Sheath: Flame-retardant PVC or halogen-free flame-retardant LSZH
- Meet the network transmission requirements for voice

Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001
- LSZH Cable: Flame retardant property conforms to: IEC60332-1; Toxicity standard: IEC60754-1; Acid gas concentration standard: IEC60754-2; Smoke concentration standard: IEC61034-2
- CMR Cable: Comply with UL-1666

Main Technical Parameters

Content	Technical Index
Cable diameter	25 pairs : 11.5 1.0mm
Maximum DC resistance	≤9.38Ω/100m
Minimum insulation resistance	100MΩ/km
Dielectric strength	500VAC/1min
Operation Temperature	Installation Temperature: 0°C to +70°C Operating temperature: -20°C to +70°C Storage temperature: -20°C to +70°C
Package	305m/axis

Product Model

Product Model	Product Description
iCONEC-CC5EUVC6IG025	25 pairs of Cat 5e multipair, UTP, PVC, 26AWG, grey, 305m/box
iCONEC-CC5EUVR6IG025	25 pairs of Cat 5e multipair, UTP, CMR, 26AWG, grey, 305m/box
iCONEC-CC5EUH16IG025	25 pairs of Cat 5e multipair, UTP, LSZH-1, 26AWG, grey, 305m/box

100-pair 110 Distribution Frames

Applications

Suitable for cross-connection and consolidation point applications

Characteristics

- Iron plate: The cold-rolled steel plate with a thickness of 1.6mm is sprayed with electrostatic powder, in black and with a height of 1U.
- Fishbone structure material: PC material, fire rating UL 94V-0
- IDC link block material: PC material, fire rating UL 94V-0
- Tab bar material: PC material, fire rating UL 94V-0
- IDC wire bonding terminals: Phosphor bronze, plated with 100u nickel with a thickness of 0.8mm



Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001

Main Technical Parameters

Content	Technical Index
Height	1U
Range of wire diameter	24-26AWG
Accessories include	Screws of the cabinet
Temperature	Operating temperature: -10°C to +60°C Storage temperature: -10°C to +60°C

Product Model

Product Model	Product Description
iCONEC-CFY10001	100 pairs of voice distribution frames with backplanes
iCONEC-CFMC3URIW	Voice connection module (including twenty 4-pair and four 5-pair)

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

110-RJ45 Patch Cord

Applications

Suitable for the connection between 110 distribution frames and horizontal distribution frames.

Characteristics

- RJ45 connectors: Complied standard: IEC60603-7
- Tail sheath: Polymer polycarbonate, comply with UL 94V-2
- Flame-retardant level: PVC/CM/LSZH
- Patch cord components assembled by original factories
- Various kinds of length can be provided.



Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001

Main Technical Parameters

Content	Technical Index
Wire gauge	24
Outer diameter	1 pair: 3.5±0.2mm/2 pairs: 4.5±0.2mm/4 pairs: 5.5±0.2mm
Color	Grey
Temperature	Installation Temperature: 0°C to +70°C/Operating temperature: -20°C to +70°C/Storage temperature: -20°C to +70°C

Product Model

Product Model	Product Description
iCONEC-CP14VC1020	110 to RJ45 Patch Cord, 1 pair, PVC, 2m
iCONEC-CP14VC2020	110 to RJ45 Patch Cord, 2 pairs, PVC, 2m
iCONEC-CP14VC4020	110 to RJ45 Patch Cord, 4 pairs, PVC, 2m
iCONEC-CP14H11020	110 to RJ45 Patch Cord, 1 pair, LSZH-1, 2m
iCONEC-CP14H12020	110 to RJ45 Patch Cord, 2 pairs, LSZH-1, 2m
iCONEC-CP14H14020	110 to RJ45 Patch Cord, 4 pairs, LSZH-1, 2m
iCONEC-CP14CM1020	110 to RJ45 Patch Cord, 1 pair, CM, 2m
iCONEC-CP14CM2020	110 to RJ45 Patch Cord, 2 pairs, CM, 2m
iCONEC-CP14CM4020	110 to RJ45 Patch Cord, 4 pairs, CM, 2m
iCONEC-CP14CR1020	110 to RJ45 Patch Cord, 1 pair, CMR, 2m
iCONEC-CP14CR2020	110 to RJ45 Patch Cord, 2 pairs, CMR, 2m
iCONEC-CP14CR4020	110 to RJ45 Patch Cord, 4 pairs, CMR, 2m

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

110-110 Patch Cord

Applications

Suitable for the connection between 110 distribution frames.

Characteristics

- Flame-retardant level: PVC/CM/LSZH
- Patch cord components assembled by original factories
- Various kinds of length can be provided.



Complied Standards

- Comply with the relevant standards of ISO/IEC11801&TIA/EIA 568A/B&UL Subject 444&YD/T1019-2001

Main Technical Parameters

Content	Technical Index
Wire gauge	24
Outer diameter	1 pair: 3.5±0.2mm/2 pairs: 4.5±0.2mm/4 pairs: 5.5±0.2mm
Color	Grey
Temperature	Installation Temperature: 0°C to +70°C/Operating temperature: -20°C to +70°C/Storage temperature: -20°C to +70°C

Product Model

Product Model	Product Description
iCONEC-CP11VC1020	110 to 110 Patch Cord, 1 pair, PVC, 2m
iCONEC-CP11VC2020	110 to 110 Patch Cord, 2 pairs, PVC, 2m
iCONEC-CP11VC4020	110 to 110 Patch Cord, 4 pairs, PVC, 2m
iCONEC-CP11H11020	110 to 110 Patch Cord, 1 pair, LSZH-1, 2m
iCONEC-CP11H12020	110 to 110 Patch Cord, 2 pairs, LSZH-1, 2m
iCONEC-CP11H11020	110 to 110 Patch Cord, 4 pairs, LSZH-1, 2m
iCONEC-CP11CM1020	110 to 110 Patch Cord, 1 pair, CM, 2m
iCONEC-CP11CM2020	110 to 110 Patch Cord, 2 pairs, CM, 2m
iCONEC-CP11CM4020	110 to 110 Patch Cord, 4 pairs, CM, 2m
iCONEC-CP11CR1020	110 to 110 Patch Cord, 1 pair, CMR, 2m
iCONEC-CP11CR2020	110 to 110 Patch Cord, 2 pairs, CMR, 2m
iCONEC-CP11CR4020	110 to 110 Patch Cord, 4 pairs, CMR, 2m

Remarks: In case of special requirements of customers, design and customization can be carried out according to specific requirements.

