

D-Link

Copper Cabling Solutions

Copper Product Catalog 2020





Structured cabling is building or campus tele-communications cabling infrastructure that consists of a number of standardized smaller elements (hence structured) called subsystems.

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About D-Link Corporation

After more than 30 years, D-Link is still focused on what we have always done best; developing state-of-the-art, innovative network solutions to help our customers connect. And today, D-Link continues to expand its range of products, further helping consumers and businesses around the world "Connect to More"; Our broad range of technology solutions enables customers to connect with more partners, more customers, and more family and friends.

D-Link was founded in Taipei, Taiwan, in March 1986 as Datex Systems, Inc. Their mission then, as now, was to provide high-quality performing, innovative networking solutions for consumers and businesses of all sizes. From that day to this, D-Link has been at the vanguard of Networking, Wi-Fi, and Surveillance technology, developing a broad portfolio of award-winning, cutting edge products and services to help consumers and businesses in more than 100 countries to connect. Today, D-Link has 171 local sales offices in 66 countries and regional headquarters in Fountain Valley, USA, London, United Kingdom, and Singapore. And whilst the company is fiercely proud of its roots in Taiwan, D-Link is still able to provide global channels with a truly local touch.

D-Link serves a broad range of customers across a range of sectors and industries including Retail, Hospitality, Government, Education, Healthcare, and Service Providers and has provided solutions to some of the world's most recognizable brands including Amazon, Verizon, Deutsche Telecom, and TalkTalk. Partnerships and alliances with major global technology players allow D-Link to provide customers with cutting edge, dependable solutions. Examples of such collaborations include chipset solutions providers Broadcom and Qualcomm, online media service Pandora, IT industry heavyweights Microsoft and HP, and telecom solutions providers Ericsson and Nokia Siemens Networks.

D-Link has remained at the forefront of networking technology as the sector has evolved, consistently being recognized for its outstanding product design and innovation by some of the world's most prestigious industry awards. D-Link's cutting-edge product design has received numerous consumer, business, and corporate awards for the quality of its design. These have included iF, Red Dot, and Good Design, and also product innovation awards from major consumer review names including PC Mag, Tom's Hardware, SmallNetBuilder, CNET, and CES Innovation.

Across the world, we are helping millions of people in their daily lives. Every day, in some 100 countries, we power hospital networks so that life-saving operations can be carried out. We connect vast knowledge centers in the heart of universities and research institutes, enabling critical scientific breakthroughs. We help grow small family businesses through our Wi-Fi networking and camera surveillance products. And in millions of homes around the world, we help families enjoy rich, fast digital lifestyles, while maintaining peace of mind. D-Link has grown from a group of seven friends in 1986 to more than 2,000 employees around the world. More than 30 years later, D-Link is still pushing back the boundaries of networking technology.

Innovation

Our Passion to Innovate has produced many world's first technologies. We are driven by entrepreneurship and vision.



Execution

We do it with integrity, efficiency and teamwork globally. Each one of us puts our heart and soul into our work.



Heritage

Every day, we keep building on our heritage. We make it stronger and we pass this heritage on every year.

This is the way we've built a networking giant from the ground up.



Structured Cabling

Structured cabling is building or campus telecommunications cabling infrastructure that consists of a number of standardized smaller elements (hence structured) called subsystems.

Structured cabling falls into six subsystems:

- Entrance Facilities are where the building interfaces with the outside world.
- Equipment Rooms host equipment which serve the users inside the building.
- Telecommunications Rooms house telecommunication equipment which connect the backbone and the horizontal cabling subsystems.
- Backbone Cabling connect between the entrance facilities, equipment rooms and telecommunications rooms.
- Horizontal Cabling connect telecommunications rooms to individual outlets on the floor.
- Work-Area Components connect end-user equipment to outlets of the horizontal cabling system. Structured cabling design and installation is governed by a set of standards that specify wiring data centers, offices, and apartment buildings for data or voice communications, using category 5 (CAT 5E) or category 6 cable (CAT 6) and modular sockets. These standards define how to lay the cabling in a star formation, such that all outlets terminate at a central patch panel (which is normally 19 inch rack-mounted), from where it can be

determined exactly how these connections will be used. Each outlet can be 'patched' into a data network switch (normally also rack mounted alongside), or patched into a 'telecoms patch panel' which forms a bridge into a private branch exchange (PBX) telephone system, thus making the connection a voice port.

Lines patched as data ports into a network switch require simple straight-through patch cables at the other end to connect a computer. Voice patches to PBXs in most countries require an adapter at the remote end to translate the configuration on 8P8C modular connectors into the local standard telephone wall socket. No adapter is needed in the U.S. as the 6P6C plug used with RJ 11 telephone connections is physically compatible with the larger 8P8C ("13145") socket and the wiring of the 8P8C is compatible with RJ11. In the UK, an adapter must be present at the remote end as the 6-pin BT socket is physically incompatible with 8P8C.

It is common to color code patch panel cables to identify the type of connection, though structured cabling standards do not require it, except in the demarcation wall field.

Cabling standards demand that all connectors in Cat.5E/6/6A/8 cable are connected, resisting the temptation to 'double-up' or use one cable for both voice and data.

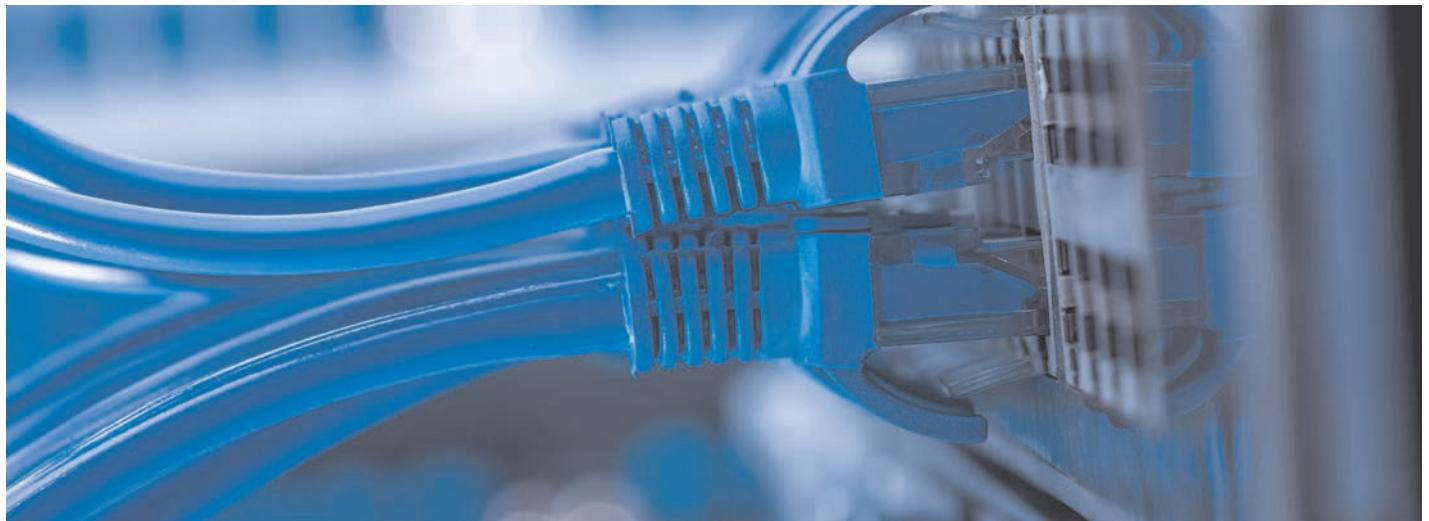
Structured Cabling Standards

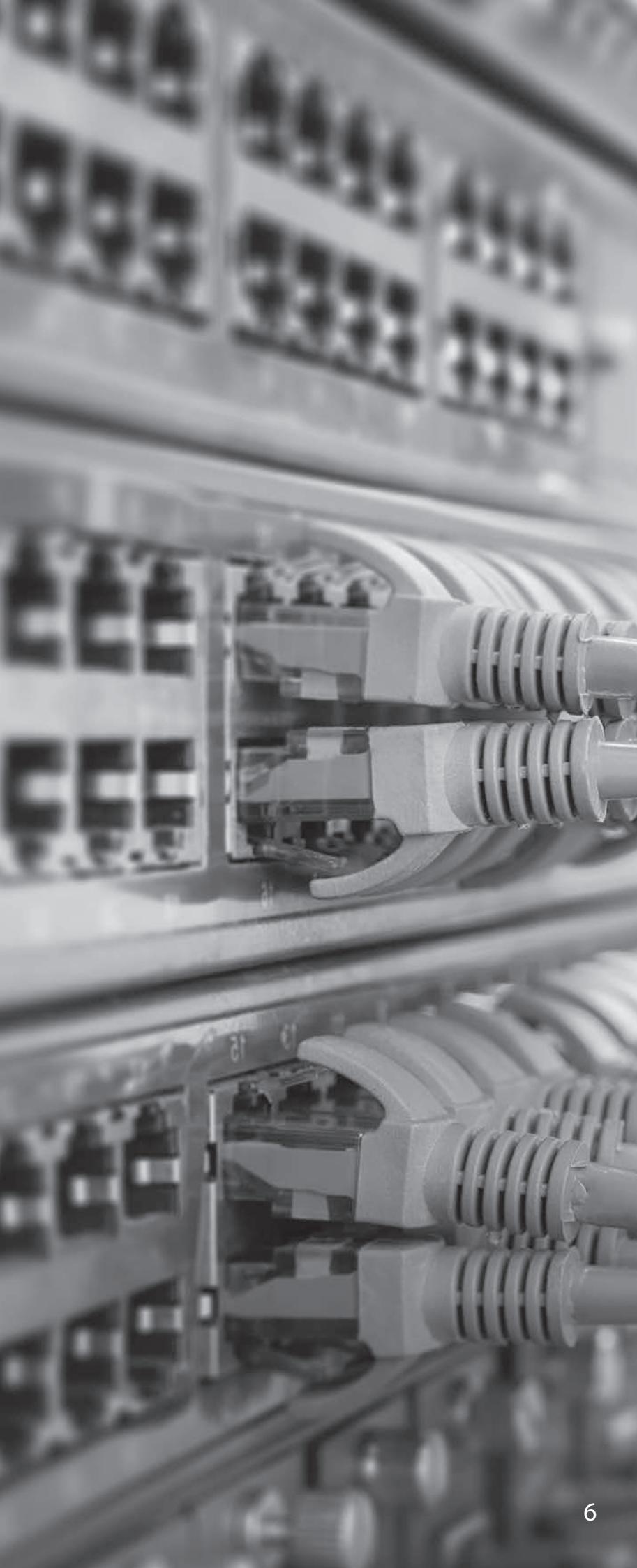
ANSI/TIA-568.0-D, Generic Telecommunications Cabling for Customer Premises

ANSI/TIA-568.1-D, Commercial Building Telecommunications Cabling

ANSI/TIA-568.2-D, Balanced Twisted-Pair Telecommunications Cabling and Components

ANSI/TIA-568.3-D, Optical Fiber Cabling Components





Copper
Solution

**Patch Cord
Copper Cable**



Cat.6A Color-Ring Patch Cords

KEY FEATURES

- Category 6A patch cords according to ISO/IEC 11801-2
- Category 6A patch cords according to EN 50173-2
- Category 6A patch cords according to ANSI/TIA-568.2-D
- IEC 60512-99 (PoE plus)
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed & EC Verified
- IEC 61935-2 & 60512-99-001

DESCRIPTION

Shielded RJ45/RJ45 patch cords	
Frequency range	1-500 MHz
Conductor	26 AWG 7x0.16mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Individual pair shield	Aluminum foil
Overall shield	Tin-coated copper braid
Jacket	PVC or LSZH
Standard jacket color	Yellow (other colors available)
Color of ring	White, Red, Yellow, Green, Blue and Orange

SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug shield	Corrosion resistant metal
Plug housing	FR Polycarbonate
Operating temperature	-20 to +60°C
Voltage rating	75 Vdc max.
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PCCR6A3YL1P	Cat.6A 26AWG S/FTP PVC Patch Cord,RJ45 with 6 Color Rings ,1M,Yellow
DSC-PCCR6A3YL2P	Cat.6A 26AWG S/FTP PVC Patch Cord,RJ45 with 6 Color Rings ,2M,Yellow
DSC-PCCR6A3YL3P	Cat.6A 26AWG S/FTP PVC Patch Cord,RJ45 with 6 Color Rings ,3M,Yellow
DSC-PCCR6A3YL5P	Cat.6A 26AWG S/FTP PVC Patch Cord,RJ45 with 6 Color Rings ,5M,Yellow
DSC-PCCR6A3YL1L	Cat.6A 26AWG S/FTP LSZH Patch Cord,RJ45 with 6 Color Rings ,1M,Yellow
DSC-PCCR6A3YL2L	Cat.6A 26AWG S/FTP LSZH Patch Cord,RJ45 with 6 Color Rings ,2M,Yellow
DSC-PCCR6A3YL3L	Cat.6A 26AWG S/FTP LSZH Patch Cord,RJ45 with 6 Color Rings ,3M,Yellow
DSC-PCCR6A3YL5L	Cat.6A 26AWG S/FTP LSZH Patch Cord,RJ45 with 6 Color Rings ,5M,Yellow

For jacket color other than Yellow, replace YL(Yellow) with WH(White), LB(Light Blue), or BL(Blue).



Cat.6 Color-Ring Patch Cords

KEY FEATURES

- Category 6 patch cords according to ISO/IEC 11801-2
- Category 6 patch cords according to EN 50173-2
- Category 6 patch cords according to ANSI/TIA-568.2-D
- IEC 60512-99 (PoE Plus)
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed & EC Verified
- IEC 61935-2 & 60512-99-001

DESCRIPTION

Unshielded RJ45/RJ45 patch cords	
Frequency range	1-250 MHz
Conductor	24 AWG 7x0.20 mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Jacket	PVC or LSZH
Standard jacket color	Light Blue(other colors available)
Color of ring	White, Red, Yellow, Green, Blue and Orange

SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug housing	FR Polycarbonate
Operating temperature	-20 to +60°C
Voltage rating	75 Vdc max.
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PCCRC61LB1P	Cat.6 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,1M, Light Blue
DSC-PCCRC61LB2P	Cat.6 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,2M, Light Blue
DSC-PCCRC61LB3P	Cat.6 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,3M, Light Blue
DSC-PCCRC61LB5P	Cat.6 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,5M, Light Blue
DSC-PCCRC61LB1L	Cat.6 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,1M, Light Blue
DSC-PCCRC61LB2L	Cat.6 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,2M, Light Blue
DSC-PCCRC61LB3L	Cat.6 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,3M, Light Blue
DSC-PCCRC61LB5L	Cat.6 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,5M, Light Blue

For some colors other than Light Blue, replace LB (Light Blue) with WH(White), YL(Yellow), or BL(Blue).



Cat.5E Color-Ring Patch Cords

KEY FEATURES

- Category 5e patch cords according to ISO/IEC 11801-2
- Category 5e patch cords according to EN 50173-2
- Category 5e patch cords according to ANSI/TIA-568.2-D
- IEC 60332-1 (cable) and UL94 V-0 (plug) flame tests
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

Unshielded RJ45/RJ45 patch cords	
Frequency range	1-100 MHz
Conductor	24 AWG 7x0.20 mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Jacket	PVC or LSZH
Standard jacket color	Gray (other colors available)
Color of ring	Orange, Red, Yellow, Green, Blue and White

SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50-Inch Gold plating
Plug housing	FR Polycarbonate
Operating temperature	-20 to +60°C
Voltage rating	75 Vdc max.
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PCCR5E1GY1P	Cat.5e 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings,1M, Gray
DSC-PCCR5E1GY2P	Cat.5e 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings,2M,Gray
DSC-PCCR5E1GY3P	Cat.5e 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings,3M,Gray
DSC-PCCR5E1GY5P	Cat.5e 24AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings,5M,Gray
DSC-PCCR5E1GY1L	Cat.5e 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings,1M,Gray
DSC-PCCR5E1GY2L	Cat.5e 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings,2M,Gray
DSC-PCCR5E1GY3L	Cat.5e 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings,3M,Gray
DSC-PCCR5E1GY5L	Cat.5e 24AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings,5M,Gray

For some colors other than Gray, replace GY (Gray) with WH(White), YL(Yellow), or BL(Blue).



Cat.6 Slim Color-Ring Patch Cords

KEY FEATURES

- Category 6 Patch Cords according to ISO/IEC 11801-2
- Category 6 Patch Cords according to EN 50173-2
- Category 6 Patch Cords according to ANSI/TIA-568.2-D
- IEC 60332-1 (cable) and UL94 V-0 (plug) flame tests
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

Unshielded RJ45/RJ45 Patch Cords	
Frequency range	1-250 MHz
Conductor	28 AWG 7x0.127 mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Jacket	PVC or LSZH
Standard jacket color	White (other colors available)
Color of ring	Orange, Red, Yellow, Green, Blue and White

SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug housing	FR Polycarbonate
Operating temperature	-20 to +60°C
Voltage rating	75 Vdc max.
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PCCRSC61WH1P	Cat.6 28AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,1M, White
DSC-PCCRSC61WH2P	Cat.6 28AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,2M, White
DSC-PCCRSC61WH3P	Cat.6 28AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,3M, White
DSC-PCCRSC61WH5P	Cat.6 28AWG U/UTP PVC Patch Cord,RJ45 with 6 Color Rings ,5M, White
DSC-PCCRSC61LB1L	Cat.6 28AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,1M,Light Blue
DSC-PCCRSC61LB2L	Cat.6 28AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,2M,Light Blue
DSC-PCCRSC61LB3L	Cat.6 28AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,3M,Light Blue
DSC-PCCRSC61LB5L	Cat.6 28AWG U/UTP LSZH Patch Cord,RJ45 with 6 Color Rings ,5M,Light Blue

For some colors other than White, replace WH (White) with GY (Gray), YL(Yellow), or BL(Blue).



Cat.6A LED Patch Cord

KEY FEATURES

- Category 6A patch cords according to ISO/IEC 11801-2
- Category 6A patch cords according to EN 50173-2
- Category 6A patch cords according to ANSI/TIA-568.2-D
- IEC 60512-99 (PoE plus)
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

Shielded RJ45/RJ45 patch cords	
Frequency range	1-500 MHz
Conductor	26 AWG 7x0.16mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Individual pair shield	Aluminum foil
Overall shield	Tin-coated copper braid
Jacket	PVC or LSZH
Standard jacket color	Yellow (other colors available)

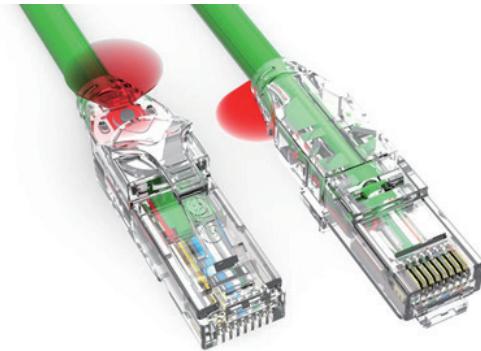
SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug shield	Corrosion resistant metal
Plug housing	FR Polycarbonate
Battery	CR927 (Only in sea shipment)
Battery Cover	UL 94V-2
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
Category 6A S/FTP LED Patch Cords, PVC, 26AWG	
DSC-PCLE6A3YL1P	Cat.6A 26AWG S/FTP PVC LED Patch Cord,RJ45 1M, Yellow
DSC-PCLE6A3YL2P	Cat.6A 26AWG S/FTP PVC LED Patch Cord,RJ45,2M, Yellow
DSC-PCLE6A3YL3P	Cat.6A 26AWG S/FTP PVC LED Patch Cord,RJ45,3M, Yellow
DSC-PCLE6A3YL5P	Cat.6A 26AWG S/FTP PVC LED Patch Cord,RJ45,5M, Yellow
Category 6A S/FTP LED Patch Cords, LSZH, 26AWG	
DSC-PCLE6A3YL1L	Cat.6A 26AWG S/FTP LSZH LED Patch Cord,RJ45 1M, Yellow
DSC-PCLE6A3YL2L	Cat.6A 26AWG S/FTP LSZH LED Patch Cord,RJ45,2M, Yellow
DSC-PCLE6A3YL3L	Cat.6A 26AWG S/FTP LSZH LED Patch Cord,RJ45,3M, Yellow
DSC-PCLE6A3YL5L	Cat.6A 26AWG S/FTP LSZH LED Patch Cord,RJ45,5M, Yellow

For some colors other than Light Blue, replace LB (Light Blue) with WH(White), YL(Yellow), or BL(Blue).



Cat.6A LED & Slim Patch Cord

KEY FEATURES

- Category 6A patch cords according to ISO/IEC 11801-2
- Category 6A patch cords according to EN 50173-2
- Category 6A patch cords according to ANSI/TIA-568.2-D
- IEC 60332-1 (cable) and UL94 V-0 (plug) flame tests
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

Shielded RJ45/RJ45 modular cords	
Frequency range	1-500 MHz
Conductor	28 AWG 7x0.127 mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Jacket	PVC or LSZH
Standard jacket color	Yellow (other colors available)

SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug housing	FR Polycarbonate
Plug shield	Corrosion resistant metal
Battery	CR927 (Only in sea shipment)
Battery Cover	UL 94V-2
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
Category 6A S/FTP LED Patch Cords, PVC, 28AWG	
DSC-PCLES6A3YL1P	Cat.6A 28AWG S/FTP PVC LED Patch Cord,RJ45 1M, Yellow
DSC-PCLES6A3YL2P	Cat.6A 28AWG S/FTP PVC LED Patch Cord,RJ45,2M, Yellow
DSC-PCLES6A3YL3P	Cat.6A 28AWG S/FTP PVC LED Patch Cord,RJ45,3M, Yellow
DSC-PCLES6A3YL5P	Cat.6A 28AWG S/FTP PVC LED Patch Cord,RJ45,5M, Yellow
Category 6A S/FTP LED Patch Cords, LSZH, 28AWG	
DSC-PCLES6A3YL1L	Cat.6A 28AWG S/FTP LSZH LED Patch Cord,RJ45 1M, Yellow
DSC-PCLES6A3YL2L	Cat.6A 28AWG S/FTP LSZH LED Patch Cord,RJ45,2M, Yellow
DSC-PCLES6A3YL3L	Cat.6A 28AWG S/FTP LSZH LED Patch Cord,RJ45,3M, Yellow
DSC-PCLES6A3YL5L	Cat.6A 28AWG S/FTP LSZH LED Patch Cord,RJ45,5M, Yellow

For some colors other than Light Blue, replace LB (Light Blue) with WH(White), YL(Yellow), or BL(Blue).



Cat.6 LED Patch Cord

KEY FEATURES

- Category 6 patch cords according to ISO/IEC 11801-2
- Category 6 patch cords according to EN 50173-2
- Category 6 patch cords according to ANSI/TIA-568.2-D
- IEC 60512-99 (PoE plus)
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

Unshielded RJ45/RJ45 patch cords	
Frequency range	1-250 MHz
Conductor	24 AWG 7x0.20 mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Jacket	PVC or LSZH
Standard jacket color	Light Blue(other colors available)

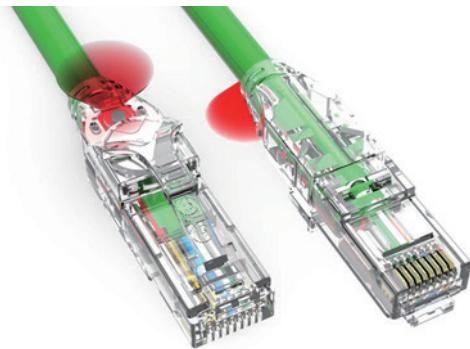
SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug housing	FR Polycarbonate
Battery	CR927 (Only in sea shipment)
Battery Cover	UL 94V-2
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
Category 6 U/UTP LED Patch Cords , PVC, 24AWG	
DSC-PCLEC61LB1P	Cat.6 24AWG U/UTP PVC LED Patch Cord,RJ45,1M, Light Blue
DSC-PCLEC61LB2P	Cat.6 24AWG U/UTP PVC LED Patch Cord,RJ45,2M, Light Blue
DSC-PCLEC61LB3P	Cat.6 24AWG U/UTP PVC LED Patch Cord,RJ45,3M, Light Blue
DSC-PCLEC61LB5P	Cat.6 24AWG U/UTP PVC LED Patch Cord,RJ45,5M, Light Blue
Category 6 U/UTP LED Patch Cords , LSZH,24AWG	
DSC-PCLEC61LB1L	Cat.6 24AWG U/UTP LSZH LED Patch Cord,RJ45,1M, Light Blue
DSC-PCLEC61LB2L	Cat.6 24AWG U/UTP LSZH LED Patch Cord,RJ45,2M, Light Blue
DSC-PCLEC61LB3L	Cat.6 24AWG U/UTP LSZH LED Patch Cord,RJ45,3M, Light Blue
DSC-PCLEC61LB5L	Cat.6 24AWG U/UTP LSZH LED Patch Cord,RJ45,5M, Light Blue

For some colors other than Light Blue, replace LB (Light Blue) with WH(White), YL(Yellow), or BL(Blue).



Cat.6 LED & Slim Patch Cord

KEY FEATURES

- Category 6 patch cords according to ISO/IEC 11801-2
- Category 6 patch cords according to EN 50173-2
- Category 6 patch cords according to ANSI/TIA-568.2-D
- IEC 60332-1 (cable) and UL94 V-0 (plug) flame tests
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

Unshielded RJ45/RJ45 patch cords	
Frequency range	1-250 MHz
Conductor	28 AWG 7x0.127 mm stranded bare copper
Insulation	PO
Color code	ANSI/TIA-568.2-D
Jacket	PVC or LSZH
Standard jacket color	White (other colors available)

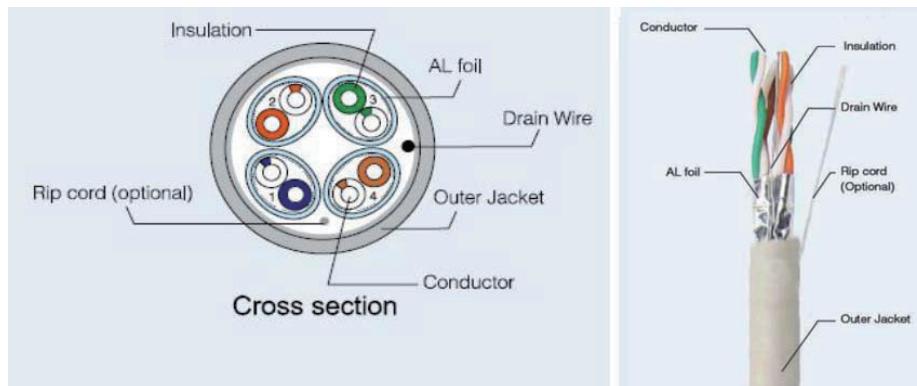
SPECIFICATIONS

Impedance	100 Ohm nom.
Pin-pair assignment	T568B
Plug contacts	50μ-Inch Gold plating
Plug housing	FR Polycarbonate
Battery	CR927 (Only in sea shipment)
Battery Cover	UL 94V-2
Ampacity	1.0 Ampere max.
Insulation resistance	500 MegaOhm min. @500 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
Category 6 U/UTP LED Patch Cords , PVC, 28AWG	
DSC-PCLESC61LB1P	Cat.6 28AWG U/UTP PVC LED Patch Cord,RJ45,1M, Light Blue
DSC-PCLESC61LB2P	Cat.6 28AWG U/UTP PVC LED Patch Cord,RJ45,2M, Light Blue
DSC-PCLESC61LB3P	Cat.6 28AWG U/UTP PVC LED Patch Cord,RJ45,3M, Light Blue
DSC-PCLESC61LB5P	Cat.6 28AWG U/UTP PVC LED Patch Cord,RJ45,5M, Light Blue
Category 6 U/UTP LED Patch Cords , LSZH, 28AWG	
DSC-PCLESC61LB1L	Cat.6 28AWG U/UTP LSZH LED Patch Cord,RJ45,1M, Light Blue
DSC-PCLESC61LB2L	Cat.6 28AWG U/UTP LSZH LED Patch Cord,RJ45,2M, Light Blue
DSC-PCLESC61LB3L	Cat.6 28AWG U/UTP LSZH LED Patch Cord,RJ45,3M, Light Blue
DSC-PCLESC61LB5L	Cat.6 28AWG U/UTP LSZH LED Patch Cord,RJ45,5M, Light Blue

For some colors other than Light Blue, replace LB (Light Blue) with WH(White), YL(Yellow), or BL(Blue).



Cat.6A U/FTP LAN Cables

KEY FEATURES

- Category 6A cable according to ISO 11801 2nd Edition Class EA
- Category 6A cable according to ANSI/TIA-568.2-D Cat.6A
- 500MHz cable according to EN 50173-2 & EN50399, IEC60028, IEC60189 & IEC60332-1-2
- Flame tests : EURO Class Eca
- EU Directive 2011/65/EU (RoHS-2)
- Optional EU Regulation 305/2011 (CPR)
- Classifications: Dca for LSZH cable
- IEC 61156-5,UL444

DESCRIPTION

4-Pair U/FTP Cables	
Frequency range :	1-500 MHZ
Conductor :	23 AWG Solid bare copper
Colour-coded:	ANSI/TTA-568.2-D
Shield:	Individual pair aluminum foil
Drain wire :	Single tin-coated copper solid wire
Jacket :	LSZH
Rated Temperature =	75°C

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000 Base-TX
- 155Mbps ATM
- 622Mbps ATM
- 10Gb Ethernet

PHYSICAL CHARACTERISTICS

Structure	Construction	U/FTP
Conductor	Number of Pairs	4 Pairs
Conductor	AWG	23 AWG
Conductor	Conductor material	Solid bare copper
Conductor	Conductor dimension	0.56 ± 0.05mm
Insulation	Insulation material	Foam PE
Insulation	Insulation dimension	1.35 ± 0.05mm
Insulation	Number colour (Ring or stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
Cabling	Twisting lay length	≤30mm
Cabling	Cabling lay length	≤200mm
Filler	Filler material	N/A
Binder	Binder material	N/A
Shield	Individual shield & material	AL-Foil
Shield	Primary overall shield & material	N/A
Shield	Secondary overall shield & material	N/A
Shield	Shield coverage approx	N/A
Shield	Drain wire	Solid tinned copper wire
Outer jacket	Jacket material	LSZH
Outer jacket	Jacket thickness nominal	0.50mm
Outer jacket	Overall nominal dimension	7.20 ± 0.30mm
Outer jacket	Jacket rip cord	None
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
Mechanical characteristics	Bulk cable weight approx	48.0 kg/km
Mechanical characteristics	Max.recommended pulling tension	110N
Mechanical characteristics	Min. bend radius(install)	8 x O.D.
Mechanical characteristics	Outer jacket tensile strength	≥ 9.0MPa

Mechanical characteristics	Outer jacket elongation	≥ 100%
	Outer jacket aging condition	100 °C x 168hrs
	After aging. tensile strength	≥ 70% of Unaging
	After aging. elongation	≥ 50% of Unaging
	Cold bend	No Crack (@-20 °C x 4 hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≤ 160 pF/100m
	Nominal velocity of propagation	74%
	Max.delay skew	45ns/100m
	Max.conductor DC resistance	80 Ω / 100m (@20 °C)
	Max.conductor resistance unbalance	2% (@20 °C) within a pair
	Min. insulation resistance	5000 MΩ km
	Max. operating voltage - UL	300V
	Dielectric strength	2.5kV d.c. for 2s
	Conductor / screen	Or 1.0 kV d.c. for 1min

ELECTRICAL CHARACTERISTICS

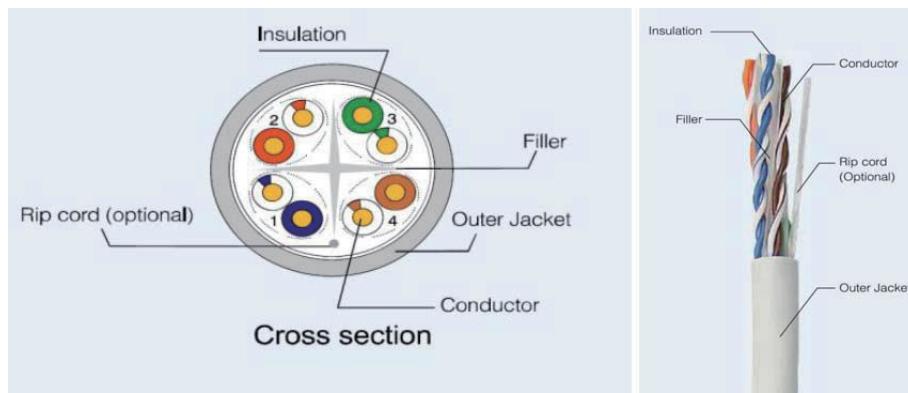
Frequency	Character impedance upper limit	Character impedance lower limit	RL	ATT	NEXT	PS NEXT	ACRF	PS ACRF	PD
(MHz)	(Ω)	(Ω)	(dB Min)	(dB / 100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns / 100m Max.)
—	—	—	—	—	—	—	—	—	—
4	115.2	86.8	23.0	3.80	66.3	63.3	56.0	53.0	552.0
8	112.6	88.8	24.5	5.31	61.8	58.8	49.9	46.9	546.7
10	111.9	89.4	25.0	5.93	60.3	57.3	48.0	45.0	454.4
16	111.9	89.4	25.0	7.49	57.2	54.2	43.9	40.9	543.0
20	111.9	89.4	25.0	8.38	55.8	52.8	42.0	39.0	542.0
25	112.9	88.5	24.3	9.38	54.3	51.3	40.0	37.0	541.2
31.25	114.1	87.7	23.6	10.50	52.9	49.9	38.1	35.1	540.4
62.5	118.3	84.5	21.5	14.99	48.4	45.4	32.1	29.1	538.6
100	121.9	82.0	20.1	19.14	45.3	42.3	28.0	25.0	537.6
150	125.7	79.6	18.9	23.68	42.7	39.7	24.5	21.5	536.9
200	128.8	77.6	18.0	27.58	40.8	37.8	22.0	19.0	536.5
250	131.5	76.0	17.3	31.07	39.3	36.3	20.0	17.0	536.3
300	131.6	76.0	17.3	34.27	38.1	35.1	18.5	15.5	536.1
350	131.6	76.0	17.3	37.25	37.1	34.1	17.1	14.1	535.9
400	131.6	76.0	17.3	40.05	36.3	33.3	16.0	13.0	535.8
500	131.6	76.0	17.3	45.26	34.8	31.8	14.0	11.0	535.6

Remark: Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required for characteristic impedance.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-6AFYELR-305-LS	Cat.6A 10G U/FTP 23AWG LSZH Solid Cable - 305M/Roll - Yellow Colour

For some colors other than Yellow, replace YEL(Yellow) with WHI (White), LBU(Light Blue), or BLU(Blue).



Cat.6A U/UTP LAN Cables

KEY FEATURES

- Category 6A cable according to ISO 11801 2nd Edition Class EA
- Category 6A cable according to ANSI/TIA-568.2-D Cat.6A
- 500MHz cable according to EN 50173-2,
- Flame tests: EURO Class Eca, IEC 60332-1
- EU Directive 2011/65/EU (RoHS-2)
- UL(Type CM)
- IEC 61156-5,UL444

DESCRIPTION

4-Pair U/UTP cables

Frequency range: 1-500 MHz

Conductor: 23 AWG Solid bare copper

Insulation: PO

Color code: ANSI/TIA-568-2.D

Shield: None

Jacket: PVC or LSZH

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM
- 10Gb Ethernet

PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	23 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.58 ±0.01mm
Insulation	Insulation material	HDPE
	Insulation dimension	1.03± 0.05mm
	Number colour (Stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
Cabling	Twisting lay length	≤30mm
	Cabling lay length	≤200mm
Filler	Filler material	PE
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage approx	N/A
	Drain wire	N/A
Outer jacket	Jacket material	PE
	Jacket thickness nominal	0.50mm
	Overall nominal dimension	6.40± 0.30mm
	Jacket color	Black
	Jacket rip cord	None
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	40.0 kg/km
	Max.recommended pulling tension	110N
	Min. bend radius(install)	8 x O.D.
	Outer jacket tensile strength	≥ 9.7MPa
	Outer jacket elongation	≥350%

Mechanical characteristics	Outer jacket aging condition	100 °C x 48hrs
	After aging. tensile strength	≥ 75% of Unaging
	After aging. elongation	≥ 75% of Unaging
	Cold bend (static)	No Crack (@-20 °C x 4 hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≤ 330 pF/100m
	Nominal velocity of propagation	68%
	Max.delay skew	45ns/100m
	Max.conductor DC resistance	80 Ω / 1km (@20 °C)
	Max.conductor resistance unbalance	5% (@20 °C) within a pair
	Min. insulation resistance	5000 MΩ km
	Max. operating voltage - UL	300V
	Dielectric strength	2.5kV d.c. for 2s
	(Conductor / conductor, conductor/ screen)	Or 1.0 kV d.c. for 1min

ELECTRICAL CHARACTERISTICS

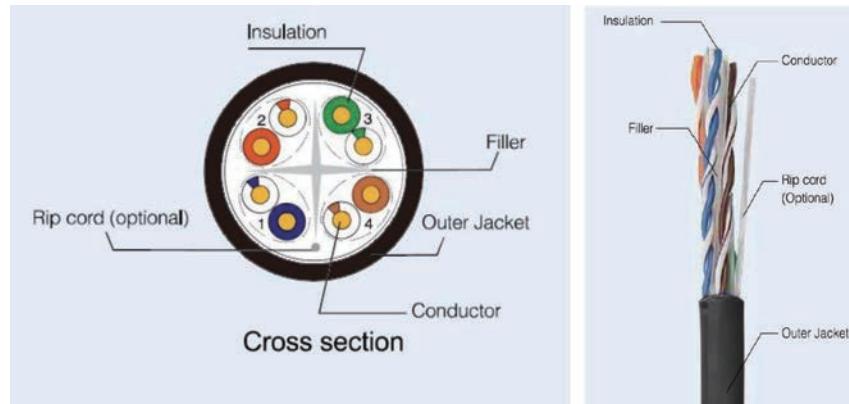
Frequency (MHz)	Character impedance upper limit (Ω)	Character impedance lower limit (Ω)	RL (dB Min)	ATT (dB / 100m)	NEXT (dB Min)	PS NEXT (dB Min)	ACRF (dB Min)	PS ACRF (dB Min)	PD (ns / 100m Max.)
1	122.2	81.8	20	2.08	74.3	72.3	67.8	64.8	570
4	115.2	86.8	23.0	3.8	66.3	63.3	55.8	52.8	552.0
8	112.6	88.8	24.5	5.3	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	25.0	5.9	59.3	57.3	47.8	44.8	454.4
16	111.9	89.4	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.4	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.4	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	23.6	10.5	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	21.5	15.0	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	20.1	19.1	44.3	42.3	27.8	24.8	537.6
150	125.7	79.6	18.9	23.7	41.7	39.7	24.3	21.3	536.9
200	128.8	77.6	18.0	27.6	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	17.3	31.1	38.3	36.3	19.8	16.8	536.3
300	131.6	76.0	16.8	34.3	37.1	35.1	18.3	15.3	536.1
350	131.6	76.0	16.3	37.2	36.1	34.1	16.9	13.9	535.9
400	131.6	76.0	15.9	40.1	35.3	33.3	15.8	12.8	535.8
500	131.6	76.0	15.2	45.3	33.8	31.8	13.8	10.8	535.6

Remark: Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required for characteristic impedance.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-6AU <u>YEL</u> R-305	Cat.6A 10G U/UTP 23AWG PVC Solid Cable - 305M/Roll - Yellow Colour
NCB-6AU <u>YEL</u> R-305-LS	Cat.6A 10G U/UTP 23AWG LSZH Solid Cable - 305M/Roll - Yellow Colour

For some colors other than Yellow, replace YEL(Yellow) with WHI (White), LBU(Light Blue), or BLU(Blue).



Cat.6A U/UTP Outdoor LAN Cables

DESCRIPTION

- Rated temperature: 75°C
- Reference standard: UL444, ANSI/TIA-568.2-D ISO/IEC 11801, IEC 61156-5
- Product standard certification:
- Flame test: N/A
- Oxygen free copper conductor
- Colour-coded PE insulation
- PE(UV resistant) jacket

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000 Base-TX
- 155Mbps ATM
- 622Mbps ATM
- 10Gb Ethernet

PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	23 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.58 ± 0.02mm
	Insulation material	PE
Insulation	Insulation dimension	1.02 ± 0.05mm
	Number colour (Ring or stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
	Cabling	Twisting lay length ≤30mm Cabling lay length ≤200mm
	Filler	Filler material PE
Shield	Binder	Binder material N/A
	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
Outer jacket	Shield coverage approx	N/A
	Drain wire	N/A
	Jacket material	PE
	Jacket thickness nominal	0.5mm
Mechanical characteristics	Overall nominal dimension	6.40 ± 0.30mm
	Jacket color	Per customer request
	Jacket rip cord	YES
	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	38.0 kg/km

Mechanical characteristics	Outer jacket elongation	≥ 350%
	Outer jacket aging condition	100 °C x 48hrs
	After aging. tensile strength	≥ 75% of Unaging
	After aging. elongation	≥ 75% of Unaging
	Cold bend	No Crack (@-20 °C x 4 hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≤ 330 pF/100m
	Nominal velocity of propagation	65%
	Max.delay skew	45ns/100m
	Max.conductor DC resistance	9.50 Ω / 100m (@20 °C)
	Max.conductor resistance unbalance	5% (@20 °C) within a pair
	Min. insulation resistance	5000 MΩ km
	Max. operating voltage - UL	300V
	Dielectric strength	2.5kV d.c. for 2s
	Conductor / conductor	Or 1.0 kV d.c. for 1min

ELECTRICAL CHARACTERISTICS

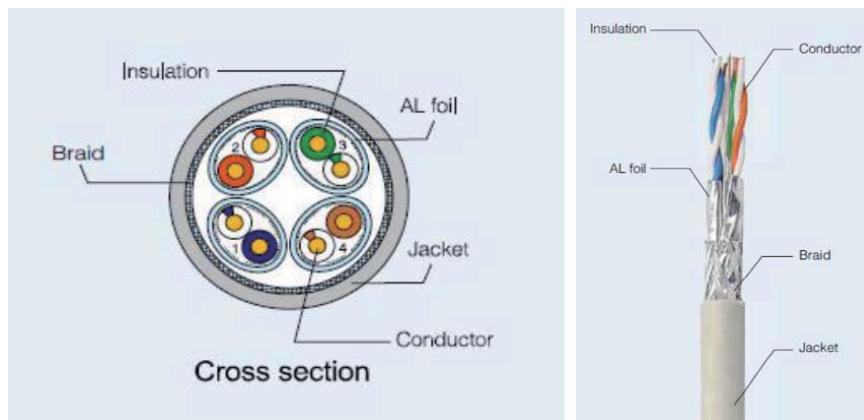
Frequency (MHz)	Character impedance upper limit (Ω)	Character impedance lower limit (Ω)	RL (dB Min)	ATT (dB / 100m)	NEXT (dB Min)	PS NEXT (dB Min)	ACRF (dB Min)	PS ACRF (dB Min)	PD (ns / 100m Max.)
—	—	—	—	—	—	—	—	—	—
4	115.2	86.8	23.0	3.80	66.3	63.3	56.0	53.0	552.0
8	112.0	88.8	24.5	5.31	61.8	58.8	49.9	46.9	546.7
10	111.9	89.4	25.0	5.93	60.3	57.3	48.0	45.0	454.4
16	111.9	89.4	25.0	7.49	57.2	54.2	43.9	40.9	543.0
20	111.9	89.4	25.0	8.38	55.8	52.8	42.0	39.0	542.0
25	112.9	88.5	24.3	9.38	54.3	51.3	40.0	37.0	541.2
31.25	114.1	87.7	23.6	10.50	52.9	49.9	38.1	35.1	540.4
62.5	118.3	84.5	21.5	14.99	48.4	45.4	32.1	29.1	538.6
100	121.9	82.0	20.1	19.14	45.3	42.3	28.0	25.0	537.6
150	125.7	79.6	18.9	23.68	42.7	39.7	24.5	21.5	536.9
200	128.8	77.6	18.0	27.58	40.8	37.8	22.0	19.0	536.5
250	131.5	76.0	17.3	31.07	39.3	36.3	20.0	17.0	536.3
300	131.6	76.0	17.3	34.27	38.1	35.1	18.5	15.5	536.1
350	131.6	76.0	17.3	37.25	37.1	34.1	17.1	14.1	535.9
400	131.6	76.0	17.3	40.05	36.3	33.3	16.0	13.0	535.8
500	131.6	76.0	17.3	45.26	34.8	31.8	14.0	11.0	535.6

ORDERING INFORMATION

MODEL NAME

DESCRIPTION

NCB-6AUBLKO-305 Cat.6A 4P/23AWG outdoor PE jacket UTP(Wooden reel) 305M, Black



Cat.6 S/FTP LAN Cables

KEY FEATURES

- Category 6 cable according to ISO 11801 2nd Edition Class E
- Category 6 cable according to ANSI/TIA-568.2-D
- 250MHz cable according to EN 50173-2
- Flame tests: IEC 60332-1
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed
- IEC 61156-5,UL444

DESCRIPTION

4-Pair S/FTP Cables	
Frequency range:	1-250 MHZ
Conductor:	23 AWG Solid bare copper
Colour-coded :	ANSI/TIA-568.2-D
Shield:	Individual pair aluminum foil
Jacket :	FR-PVC or LSZH
Rated Temperature:	75 °C

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM
- 10 Gb Ethernet

PHYSICAL CHARACTERISTICS

Structure	Construction	S/FTP	Mechanical characteristics	Outer jacket aging condition	100 °C x 168hrs
	Number of Pairs	4 Pairs		After aging. tensile strength	≥ 70% of Unaging
Conductor	AWG	23 AWG		After aging. elongation	≥ 50% of Unaging
	Conductor material	Solid bare copper		Cold bend (Static)	No Crack (@-20 °C x 4 hrs)
	Conductor dimension	0.57 ±0.01mm			
Insulation	Insulation material	Foam PE	Electrical characteristics	Nom. mutual capacitance	≤ 5.6nF/100m (@1kHz)
	Insulation dimension	1.38± 0.05mm		Pair to ground capacitance unbalance	≤ 160 pF/100m
	Number colour (Stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown		Nominal velocity of propagation	77%
Cabling	Twisting lay length	≤30mm		Max.delay skew	45ns/100m
	Cabling lay length	≤200mm		Max.conductor DC resistance	80 Ω / 100m (@20 °C)
Filler	Filler material	N/A		Max.conductor resistance unbalance	5% (@20 °C) within a pair
Binder	Binder material	N/A		Min. insulation resistance	5000 MΩ km
Shield	Individual shield & material	AL-Foil		Max. operating voltage - UL	300V
	Primary overall shield & material	Tinned copper wire braid		Dielectric strength	2.5kV d.c. for 2s
	Secondary overall shield & material	N/A		(Conductor / conductor, conductor/ screen)	Or 1.0 kV d.c. for 1min
	Shield coverage approx	25%(16/3/0.12mm)			
	Drain wire	YES			
Outer jacket	Jacket material	LSZH, FR-PVC			
	Jacket thickness nominal	0.50mm			
	Overall nominal dimension	7.40± 0.30mm			
	Jacket rip cord	None			
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C			
	Bulk cable weight approx	51.0 kg/km			
	Max.recommended pulling tension	110N			
	Min. bend radius(install)	8 x O.D.			
	Outer jacket tensile strength	≥ 9.0MPa			
	Outer jacket elongation	≥100%			

ELECTRICAL CHARACTERISTICS

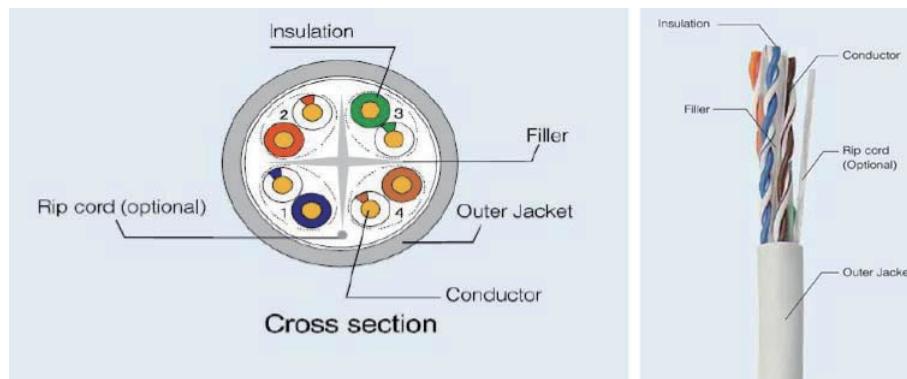
Frequency	Character impedance upper limit	Character impedance lower limit	RL	ATT	NEXT	PS NEXT	ACRF	PS ACRF	PD
(MHz)	(Ω)	(Ω)	(dB Min)	(dB / 100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns / 100m Max.)
1	122.2	81.8	20.0	2.0	74.3	72.3	67.8	64.8	570.0
4	115.2	86.8	23.0	3.7	65.3	63.3	55.8	52.8	552.0
8	112.6	88.8	24.5	5.3	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	25.0	5.9	59.3	57.3	47.8	44.8	454.4
16	111.9	89.4	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.4	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.5	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	23.6	10.6	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	21.5	15.4	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	20.1	19.8	44.3	42.3	27.8	24.8	537.6
150	125.7	79.6	18.9	24.7	41.7	39.7	24.3	21.3	536.9
200	128.8	77.6	18.0	29.0	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	17.3	32.8	38.3	36.3	19.8	16.8	536.3

Remark: Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required for characteristic impedance.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-C6SLBUR-305	Cat.6 S/FTP 23 AWG PVC Solid Cable - 305M/Roll - Light Blue
NCB-C6SLBUR-305-LS	Cat.6 S/FTP 23 AWG LSZH Solid Cable - 305M/Roll- Light Blue

For some colors other than Light Blue, replace LBU (Light Blue) with WHI (White), YEL(Yellow), or BLU(Blue).



Cat.6 23 AWG U/UTP LAN Cables

KEY FEATURES

- Category 6 cable according to ISO 11801 2nd Edition Class E
 - Category 6 cable according to ANSI/TIA-568.2-D
 - 250MHz cable according to EN 50173-2, EN50399, IEC60028, IEC60189, IEC60332-1-2
 - Flame tests for UL(Type CM) & CE/CPR(LSZH Cable)
 - EU Directive 2011/65/EU (RoHS-2)
 - Optional EU Regulation 305/2011 (CPR)
- Classifications:**
Dca for LSZH cables
- IEC 61156-5,UL444

DESCRIPTION

4-Pair U/UTP cables

Frequency range 1-250 MHz

Conductor 23 AWG Solid bare copper

Insulation PO

Color code ANSI/TIA-568.2-D

Shield None

Jacket FR-PVC or LSZH

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	23 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.57 ± 0.005mm
Insulation	Insulation material	HDPE
	Insulation dimension	1.02± 0.05mm
	Number colour (Stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
Cabling	Twisting lay length	≤30mm
	Cabling lay length	≤200mm
Filler	Filler material	PE
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage approx	N/A
	Drain wire	N/A
Outer jacket	Jacket material	PVC
	Jacket thickness nominal	0.50mm
	Overall nominal dimension	6.10± 0.30mm
	Jacket color	Per customer request
	Jacket rip cord	YES
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	40 kg/km
	Max.recommended pulling tension	110N
	Min. bend radius(install)	4 x O.D.
	Outer jacket tensile strength	≥ 9.0MPa
	Outer jacket elongth	≥100%

ELECTRICAL CHARACTERISTICS

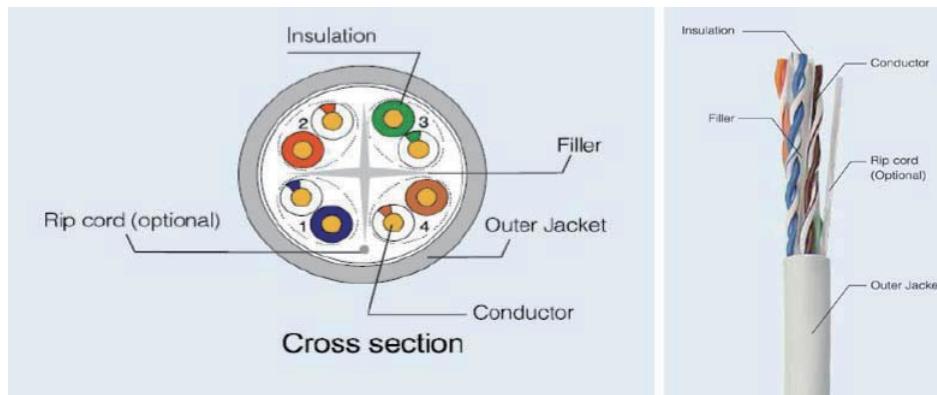
Frequency	Character impedance upper limit	Character impedance lower limit	RL	ATT	NEXT	PS NEXT	ACRF	PS ACRF	PD
(MHz)	(Ω)	(Ω)	(dB Min)	(dB / 100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns / 100m Max.)
1	122.2	81.8	20.0	—	74.3	72.3	67.8	64.8	570.0
4	115.2	86.8	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	112.6	88.8	24.5	5.4	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	25.0	6.0	59.3	57.3	47.8	44.8	454.4
16	111.9	89.4	25.0	7.6	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.5	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.6	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	23.6	10.7	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	21.5	15.5	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	20.1	19.9	44.3	42.3	27.8	24.8	537.6
150	125.7	79.6	18.9	24.8	41.7	39.7	24.3	21.3	536.9
200	128.8	77.6	18.0	29.1	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	17.3	33.0	38.3	36.3	19.8	16.8	536.3

Remark: Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required for characteristic impedance.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-C6ULBUR-305	Cat.6 UTP 23 AWG PVC Solid Cable - 305M/Roll - Light Blue
NCB-C6ULBUR-305-LS	Cat.6 UTP 23 AWG LSZH Solid Cable - 305M/Roll - Light Blue

For some colors other than Light Blue, replace LBU (Light Blue) with WHI (White), YEL(Yellow), or BLU(Blue).



Cat.6 24 AWG U/UTP LAN Cables

KEY FEATURES

- Category 6 cable according to ISO 11801 2nd Edition Class E
- Category 6 cable according to ANSI/TIA-568.2-D
- 250MHz cable according to EN 50173-2, EN50399, IEC60028, IEC60189, IEC60332-1-2
- Flame tests for UL(Type CM) & CE/ CPR(LSZH Cable)
- EU Directive 2011/65/EU (RoHS-2)
- IEC 61156-5,UL444

DESCRIPTION

4-Pair U/UTP cables

Frequency range	1-250 MHz
Conductor	24 AWG Solid bare copper
Colour coded	ANSI/TIA-568.2-D
Jacket	FR-PVC or LSZH

Rated Temperature= 75°C

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	24 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.51 ±0.01mm
Insulation	Insulation material	HDPE
	Insulation dimension	1.02± 0.05mm
	Number colour (Stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
Cabling	Twisting lay length	≤30mm
	Cabling lay length	≤200mm
Filler	Filler material	PE
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	Tinned copper wire braid
	Secondary overall shield & material	N/A
	Shield coverage approx	N/A
	Drain wire	N/A
Outer jacket	Jacket material	PVC
	Jacket thickness nominal	0.50mm
	Overall nominal dimension	6.10± 0.30mm
	Jacket color	Per customer request
	Jacket rip cord	YES
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	40 kg/km
	Max.recommended pulling tension	110N
	Min. bend radius(install)	4 x O.D.
	Outer jacket tensile strength	≥ 9.0MPa
	Outer jacket elongth	≥100%

ELECTRICAL CHARACTERISTICS

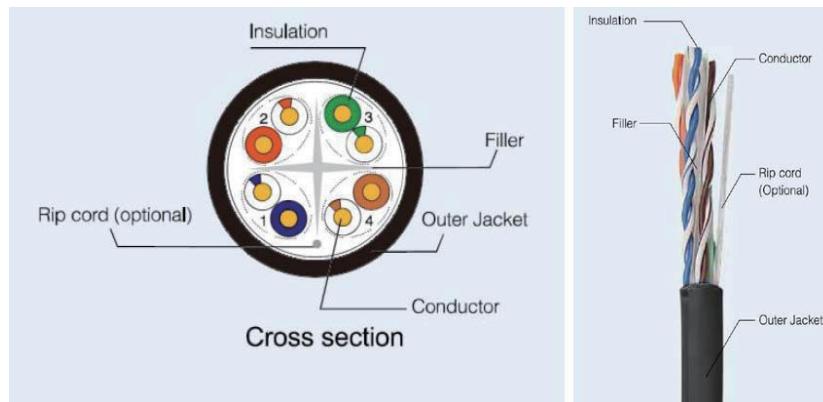
Frequency (MHz)	Character impedance upper limit (Ω)	Character impedance lower limit (Ω)	RL (dB Min)	ATT (dB / 100m)	NEXT (dB Min)	PS NEXT (dB Min)	ACRF (dB Min)	PS ACRF (dB Min)	PD (ns / 100m Max.)
1	122.2	81.8	20.0	—	74.3	72.3	67.8	64.8	570.0
4	115.2	86.8	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	112.6	88.8	24.5	5.4	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	25.0	6.0	59.3	57.3	47.8	44.8	454.4
16	111.9	89.4	25.0	7.6	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.5	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.6	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	23.6	10.7	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	21.5	15.5	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	20.1	19.9	44.3	42.3	27.8	24.8	537.6
150	125.7	79.6	18.9	24.8	41.7	39.7	24.3	21.3	536.9
200	128.8	77.6	18.0	29.1	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	17.3	33.0	38.3	36.3	19.8	16.8	536.3

Remark: Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required for characteristic impedance.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
NCB-C6UBLUR-305-24	Cat.6 UTP 24 AWG PVC Solid Cable - 305M/Roll - Light Blue
NCB-C6UBLUR-305-24-LS	Cat.6 UTP 24 AWG LSZH Solid Cable - 305M/Roll - Light Blue

For some colors other than Light Blue, replace LBU (Light Blue) with WHI (White), YEL(Yellow), or BLU(Blue).



Cat.6 U/UTP Outdoor LAN Cables

DESCRIPTION

- Reference standard: UL444, ANSI/TIA-568.2-D ISO/IEC 11801, IEC 61156-5
- Oxygen free copper conductor
- Colour-coded HDPE insulation
- PE(UV resistant) jacket

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000 Base-TX
- 155Mbps ATM
- 622Mbps ATM

PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	23 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.57 ± 0.02mm
Insulation	Insulation material	HDPE
	Insulation dimension	1.01 ± 0.05mm
	Number colour (Ring or stripe or pure marking)	1. White/Blue & Blue 2. White/Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
Cabling	Twisting lay length	≤ 3.0mm
	Cabling lay length	≤ 200mm
Filler	Filler material	PE
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage approx	N/A
	Drain wire	N/A
Outer jacket	Jacket material	PE
	Jacket thickness nominal	0.5mm
	Overall nominal dimension	6.10 ± 0.30mm
	Jacket rip cord	YES
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	32.0 kg/km
	Max.recommended pulling tension	110N
	Min. bend radius(install)	4 x O.D.
	Outer jacket tensile strength	≥ 9.7MPa
	Outer jacket elongth	≥ 350%

Mechanical characteristics	Outer jacket aging condition	100 °C x 48hrs
	After aging. tensile strength	≥ 75% of Unaging
	After aging. elongation	≥ 75% of Unaging
	Cold bend	No Crack (@-20 °C x 4 hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≤ 330 pF/100m
	Nominal velocity of propagation	65%
	Max.delay skew	45ns/100m
	Max.conductor DC resistance	9.50 Ω / 100m(@20 °C)
	Max.conductor resistance unbalance	5% (@20 °C) within a pair
	Min. insulation resistance	5000 MΩ km
	Max. operating voltage - UL	300V
	Dielectric strength	2.5kV d.c. for 2s
	Conductor / conductor	Or 1.0 kV d.c. for 1min

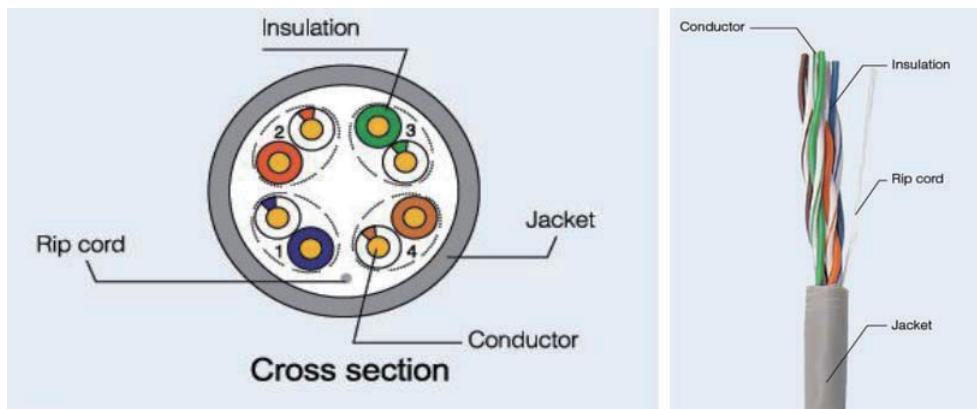
ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Character impedance upper limit (Ω)	Character impedance lower limit (Ω)	RL (dB Min)	ATT (dB / 100m)	NEXT (dB Min)	PS NEXT (dB Min)	ACRF (dB Min)	PS ACRF (dB Min)	PD (ns / 100m Max.)
—	—	—	—	—	—	—	—	—	—
4	115.2	86.8	23.0	3.7	65.3	63.3	55.8	52.8	552.0
8	112.0	88.8	24.5	5.3	60.8	58.8	49.7	46.7	546.7
10	111.9	89.4	25.0	5.9	59.3	57.3	47.8	44.8	454.4
16	111.9	89.4	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	111.9	89.4	25.0	8.4	54.8	52.8	41.8	38.8	542.0
25	112.9	88.5	24.3	9.5	53.3	51.3	39.8	36.8	541.2
31.25	114.1	87.7	23.6	10.6	51.9	49.9	37.9	34.9	540.4
62.5	118.3	84.5	21.5	15.4	47.4	45.4	31.9	28.9	538.6
100	121.9	82.0	20.1	19.8	44.3	42.3	27.8	24.8	537.6
150	125.7	79.6	18.9	24.7	41.7	39.7	24.3	21.3	536.9
200	128.8	77.6	18.0	29.0	39.8	37.8	21.8	18.8	536.5
250	131.5	76.0	17.3	32.8	38.3	36.3	19.8	16.8	536.3

ORDERING INFORMATION

MODEL NAME DESCRIPTION

NCB-C6UBLKO-305 Cat.6 4P/23AWG outdoor PE jacket UTP(Wooden reel) 305M, Black



Cat.5E U/UTP LAN Cables

KEY FEATURES

- Category 5e cable according to ISO 11801 2nd Edition Class D
- Category 5e cable according to ANSI/TIA-568.2-D
- 100MHz cable according to EN 50173-2
- Flame tests for UL (Type CM)
- EU Directive 2011/65/EU (RoHS-2)

DESCRIPTION

4-Pair U/UTP Cables

Frequency range:	1-100 MHZ
Conductor:	24 AWG Solid bare copper
Colour-coded:	ANSI/TIA-568-2.D
Jacket:	FR-PVC
Rated Temperature =	75°C

APPLICATION

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pairs
Conductor	AWG	24 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.50 ±0.005mm
Insulation	Insulation material	HDPE
	Insulation dimension	0.88± 0.05mm
	Number colour (Stripe or pure marking)	1. White/Blue & Blue 2. White /Orange & Orange 3. White/Green & Green 4. White/Brown & Brown
Cabling	Twisting lay length	≤30mm
	Cabling lay length	≤200mm
Filler	Filler material	N/A
Binder	Binder material	N/A
Shield	Individual shield & material	N/A
	Primary overall shield & material	N/A
	Secondary overall shield & material	N/A
	Shield coverage	N/A
	Drain wire	N/A

Mechanical characteristics	Outer jacket aging condition	100 °C x 168hrs
	After aging. tensile strength	≥ 70% of Unaging
	After aging. elongation	≥ 50% of Unaging
	Cold bend	No Crack (@-20 °C x 4 hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≤ 330 pF/100m
	Nominal velocity of propagation	65%
	Max.delay skew	45ns/100m
	Max.conductor DC resistance	9.5 Ω / 100m (@20 °C)
	Max.conductor resistance unbalance	5% (@20 °C) within a pair
	Min. insulation resistance	5000 MΩ km
	Max. operating voltage - UL	300V
	Dielectric strength	2.5kV d.c. for 2s
	Conductor / conductor	Or 1.0 kV d.c. for 1min

Outer jacket	Jacket material	PVC
	Jacket thickness nominal	0.50mm
	Overall nominal dimension	4.90± 0.30mm
	Jacket rip cord	YES
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight approx	28.0 kg/km
	Max.recommended pulling tension	110N
	Min. bend radius(install)	4 x O.D.
	Outer jacket tensile strength	≥ 9.0MPa
	Outer jacket elongth	≥100%

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Character impedance upper limit (Ω)	Character impedance lower limit (Ω)	RL (dB Min)	ATT (dB / 100m)	NEXT (dB Min)	PS NEXT (dB Min)	ACRF (dB Min)	PS ACRF (dB Min)	PD (ns / 100m Max.)
1	122.2	81.8	20.0	—	65.3	62.3	63.8	60.8	570.0
4	115.2	86.8	23.0	4.04	56.3	53.3	51.8	48.8	552.0
8	112.6	88.8	24.5	5.75	51.8	48.8	45.7	42.7	546.7
10	111.9	89.4	25.0	6.46	50.3	47.3	43.8	40.8	454.4
16	111.9	89.4	25.0	8.24	47.2	44.2	39.7	36.7	543.0
20	111.9	89.4	25.0	9.26	45.8	42.8	37.8	34.8	542.0
25	112.9	88.5	24.3	10.41	44.3	41.3	35.8	32.8	541.2
31.25	114.1	87.7	23.6	11.72	42.9	39.9	33.9	30.9	540.4
62.5	118.3	84.5	21.5	16.99	38.4	35.4	27.9	24.9	538.6
100	121.9	82.0	20.1	21.97	35.3	32.3	23.8	20.8	537.6

Remark: Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required for characteristic impedance.

ORDERING INFORMATION

MODEL NAME DESCRIPTION

NCB-5EUGRYR-305 Cat.5E UTP 24 AWG PVC Solid Cable - 305M/Roll - Gray

For some colors other than Gray, replace GRY (Gray) with WHI (White), YEL(Yellow), or BLU(Blue).



Cat.6A FTP Keystone Jacks

KEY FEATURES

Standard Compliances:

- ISO/IEC 11801-1:2017(Ed. 1.0)/ISO/IEC 11801-2:2017 (Ed.1.0)
- IEC 60603-7-4:2010(Ed. 2.0)
- EN 50173-1:2011/EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568.2-D
- IEC 60512-99-002(draft 48B/2531/CD)
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed & EC Verified

DESCRIPTION

8P8C shielded RJ45 fast termination keystone jacks	
Frequency range	1-500 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Shield	Die-cast metal case
Housing	Zinc-alloy fully shielded

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC (Phosphor bronze alloy with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 cycles
Cable re-termination	20 cycles
Operating temperature	-20° to +60 °C at 5-95% RH (non condensing)
Ampacity	2A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Compatible with 24-port & 48-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFT6A2SVB	Cat.6A FTP Fast Termination Jack(4PPoE, 2A)



Cat.6A UTP Keystone Jacks

KEY FEATURES

- Standard Compliances:
- ISO/IEC 11801-1:2017(Ed. 1.0)/ISO/IEC 11801-2:2017 (Ed.1.0)
 - IEC 60603-7-4:2010(Ed. 2.0)
 - EN 50173-1:2011/EN 50173-2:2007 including amendment A1:2010
 - ANSI/TIA-568.2-D
 - EU Directive 2011/65/EU (RoHS-2)
 - UL Listed

DESCRIPTION

8P8C unshielded RJ45 fast termination keystone jacks	
Frequency range	1-500 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Shield	None
Housing	High impact FR compound
Standard color	White/Black (other colors available)
SPECIFICATIONS	
Orientation	180°
Termination blocks	110 IDC(Phosphor Bronze Alloy Plated with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 cycles
Cable re-termination	20 cycles
Operating temperature	-20° to +60°C at 5-95% RH (non condensing)
Ampacity	1.5 A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Compatible with 24-port & 48-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFT6A1WHB	Cat.6A UTP Fast Termination Jack, White
DSC-KJFT6A1BLB	Cat.6A UTP Fast Termination Jack, Blue
DSC-KJFT6A1RDB	Cat.6A UTP Fast Termination Jack, Red
DSC-KJFT6A1YLB	Cat.6A UTP Fast Termination Jack, Yellow
DSC-KJFT6A1GRB	Cat.6A UTP Fast Termination Jack, Green
DSC-KJFT6A1BKB	Cat.6A UTP Fast Termination Jack, Black
DSC-KJFT6A1ORB	Cat.6A UTP Fast Termination Jack, Orange



Cat.6A UTP Angled Keystone Jacks

KEY FEATURES

Standard Compliances:

- ISO/IEC 11801-1:2017(Ed. 1.0)/ISO/IEC 11801-2:2017 (Ed.1.0)
- IEC 60603-7-4:2010(Ed. 2.0)
- EN 50173-1:2011/EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568.2-D
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

8P8C unshielded RJ45 fast termination keystone jacks	
Frequency range	1-500 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold over 70-100 micro-inch of nickel
Shield	None
Housing	High impact FR compound, UL 94V-0
Standard color	White

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC(Phosphor Bronze Alloy Plated with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 cycles
Cable re-termination	20 cycles
Operating temperature	-10° to + 60°C at 5-93% RH (non condensing)
Ampacity	1.5 A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Compatible with DSC-PPFTUN1BK12 Black Patch panel	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFT6A1WHBA	Cat.6A UTP Fast Termination Jack Angled



Cat.6 FTP Keystone Jacks

KEY FEATURES

- Standard Compliances:
- ISO/IEC 11801-1:2017(Ed. 1.0)/ISO/IEC 11801-2:2017 (Ed.1.0)
 - IEC 60603-7-4:2010(Ed. 2.0)
 - EN 50173-1:2011/EN 50173-2:2007 including amendment A1:2010
 - ANSI/TIA-568.2-D
 - EU Directive 2011/65/EU (RoHS-2)
 - UL Listed

DESCRIPTION

8P8C shielded RJ45 fast termination keystone jacks	
Frequency range	1-250 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Shield	Die-cast metal case
Housing	Zinc-alloy fully shielded

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC (Phosphor Bronze Alloy Plated with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 cycles
Cable re-termination	20 cycles
Operating temperature	-20° to +60°C at 5-95% RH (non condensing)
Ampacity	1.5 A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Compatible with 24-port & 48-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFTC62SVB	Cat.6 FTP Fast Termination Jack



Cat.6 UTP Keystone Jacks

KEY FEATURES

Standard Compliances:

- ISO/IEC 11801-1:2017(Ed. 1.0)/ISO/IEC 11801-2:2017 (Ed.1.0)
- IEC 60603-7-4:2010(Ed. 2.0)
- EN 50173-1:2011/EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568.2-D
- IEC 60512-99-002(draft 48B/2531/CD)
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed & EC Verified

DESCRIPTION

8P8C unshielded RJ45 fast termination keystone jacks	
Frequency range	1-250 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	50 Micro-inch of Gold plating
Housing	High impact FR compound, UL 94V-0
Standard color	White (other colors available)

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC (Phosphor bronze alloy with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 cycles
Cable re-termination	20 Cycles
Operating temperature	-20° to +60°C at 5-95% RH (non condensing)
Ampacity	2A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Jacks are compatible with 24-port & 48-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFTC61WHB	Cat.6 UTP Fast Termination Jack, White(4PPoE, 2A)
DSC-KJFTC61BLB	Cat.6 UTP Fast Termination Jack, Blue(4PPoE, 2A)
DSC-KJFTC61RDB	Cat.6 UTP Fast Termination Jack, Red(4PPoE, 2A)
DSC-KJFTC61YLB	Cat.6 UTP Fast Termination Jack, Yellow(4PPoE, 2A)
DSC-KJFTC61GRB	Cat.6 UTP Fast Termination Jack, Green(4PPoE, 2A)
DSC-KJFTC61BKB	Cat.6 UTP Fast Termination Jack, Black(4PPoE, 2A)
DSC-KJFTC61ORB	Cat.6 UTP Fast Termination Jack, Orange(4PPoE, 2A)



Cat.6 UTP Angled Keystone Jacks

KEY FEATURES

Standard Compliances:

- ISO/IEC 11801-1:2017(Ed. 1.0)/ISO/IEC 11801-2:2017 (Ed.1.0)
- IEC 60603-7-4:2010(Ed. 2.0)
- EN 50173-1:2011/EN 50173-2:2007 including amendment A1:2010
- ANSI/TIA-568.2-D
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

8P8C unshielded RJ45 fast termination keystone jacks	
Frequency range	1-250 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Shield	None
Housing	High impact FR compound, UL 94V-0
Standard color	White

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC(Phosphor Bronze Alloy Plated with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 cycles
Cable re-termination	20 terminations
Operating temperature	-20° to +60°C at 5-95% RH (non condensing)
Ampacity	1.5 A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Compatible with DSC-PPFTUN1BK12 Black Patch panel	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFTC61WHBA	Cat.6 UTP Fast Termination Jack Angled



Cat.5E UTP Keystone Jacks

KEY FEATURES

- 100MHz unshielded connectors acc. to ISO 11801 2nd
- 100MHz unshielded connectors acc. to EN 50173-2
- Category 5e connecting hardware acc. to ANSI/TIA-568.2-D
- UL94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)

DESCRIPTION

8P8C unshielded RJ45 Fast Termination keystone jacks	
Frequency range	1-100 MHz
Compatible conductors	22-24 AWG
Pin-pair assignment	T568A & T568B
Contacts	50Micro-Inch of Gold plating
Housing	High impact FR compound, UL 94V-0
Standard color	White (other colors available)

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC (Phosphor bronze alloy with 100 micro-inch 100% Sn Alloy)
Insertion/withdrawal	750 Cycles
Cable re-termination	20 Cycles
Operating temperature	-20° to +60°C at 5-95% RH (non condensing)
Ampacity	1.5 A max.
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc
Tools	Fast Termination Tool or Punch Down Tool
Straight jacks are compatible with 24-port & 48-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFT5E1WHB	Cat.5E UTP Fast Termination Jack, White
DSC-KJFT5E1BLB	Cat.5E UTP Fast Termination Jack, Blue
DSC-KJFT5E1RDB	Cat.5E UTP Fast Termination Jack, Red
DSC-KJFT5E1YLB	Cat.5E UTP Fast Termination Jack, Yellow
DSC-KJFT5E1GRB	Cat.5E UTP Fast Termination Jack, Green
DSC-KJFT5E1BKB	Cat.5E UTP Fast Termination Jack, Black
DSC-KJFT5E1ORB	Cat.5E UTP Fast Termination Jack, Orange



Cat.6A FTP Pre-terminated Cassette

KEY FEATURES

- Screened
- Cables entering module are individually secured
- Toolless assembly and patch panel fitting
- Performance - Component Level
- Compatible with Black Patch Panel

DESCRIPTION

The 6 Port Screened Category 6A Preterminated Cassette offers a flexible and quick way to terminate and install structured cabling. Manufactured from high impact flame retardant plastic, the modules use IDC punch downs for the termination of the copper cables. The Cassettes are easily fitted and removed from the rear of the patch panel by activating release latches.

SPECIFICATIONS

Model:	Cassette with 6 jacks
Type of connector:	RJ45
Shielded:	yes
Category:	6A (ANSI / TIA-568.2-D)
Connection type:	IDC (Phosphor Bronze Alloy Plated with 100 micro-inch 100% Sn Alloy)
Insertion / Extraction Life:	750 cycles
Housing:	Zinc-alloy fully shielded
Spring Wire:	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Colour:	Silver
AWG-range:	22...24

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFT6A2SV6	Cat.6A FTP Pre-terminated Cassette, 6 Ports



Cat.6 FTP Pre-terminated Cassette

KEY FEATURES

- Cables entering module are individually secured
- Toolless assembly and patch panel fitting
- Performance - Component Level
- Compatible with Black Patch Panel

DESCRIPTION

The 6 Port FTP Category 6 Preterminated Cassette Offers a flexible and quick way to terminate and install structured cabling. Manufactured from high impact flame retardant plastic, the modules use IDC punch downs for the termination of the copper cables. The Cassettes are easily fitted and removed from the rear of the patch panel by activating release latches.

SPECIFICATIONS

Model:	Cassette with 6 jacks
Type of connector:	RJ45
Category:	6 (ANSI / TIA-568.2-D)
Connection type:	IDC
Insertion / Extraction Life:	750 cycles
Housing:	Zinc-alloy fully shielded
Spring Wire:	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Colour:	Silver
AWG-range:	22...24

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFTC62SV6	Cat.6 FTP Pre-terminated Cassette, 6 Ports



Cat.6 UTP Pre-terminated Cassette

KEY FEATURES

- Cables entering module are individually secured
- Toolless assembly and patch panel fitting
- Performance - Component Level
- Compatible with Black Patch Panel

DESCRIPTION

The 6 Port UTP Category 6 Preterminated Cassette offers a flexible and quick way to terminate and install structured cabling. Manufactured from high impact flame retardant plastic, the modules use IDC punch downs for the termination of the copper cables. The Cassettes are easily fitted and removed from the rear of the patch panel by activating release latches.

SPECIFICATIONS

Model:	Cassette with 6 Jacks
Type of connector:	RJ45
Category:	6 (ANSI / TIA-568.2-D)
Connection type:	IDC
Insertion / Extraction Life:	750 cycles
Housing:	FR Plastic, UL 94V-0
Spring Wire:	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Colour:	Grey
AWG-range:	22...24

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFTC61GY6	Cat.6 UTP Pre-terminated Cassette, 6 Ports



Field Termination RJ45 Plugs

KEY FEATURES

- Cat.6A FTP connectors according to ISO/IEC 11801 2 nd
- Category 6 & Cat.6A connecting hardware acc. to ANSI/TIA-568.2-D
- UL94 V-0 flame test for Cat.6 UTP
- EU Directive 2011/65/EU (RoHS-2)

DESCRIPTION

Field Termination RJ 45 Plugs	1-250 MHz (Cat.6), 1-500 MHz (Cat.6A)
Frequency range	23-26 AWG
Compatible conductors	Phosphor Bronze Alloy Plated with 50 micro-inch of Gold
Contacts	Zinc-alloy fully shielded (Cat.6A FTP)
Shield	High-Impact, Flame-Retardant Plastic, UL 94V-0 (Cat.6 UTP)
Housing	

SPECIFICATIONS

Ampacity	2A max.
Insertion/withdrawal	750 cycles
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Voltage rating	75 Vdc max.
Insulation resistance	500 MegaOhm min. @100 Vdc

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFTC61GRBB	Cat.6 UTP Field-terminated RJ45 Plug, Grey
DSC-KJFT6A2SVBB	Cat.6A FTP Field-terminated RJ45 Plug, Silver (4PPoE, 2A)



Blank Patch Panels for FT Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- UL Listed
- Compatible with FT jacks.
- EC Verified for DSC-PPFTUN1BK11

DESCRIPTION

24 port blank 19" panels
Type compatibility
Category compatibility
Insertion method
Formation
Back cable organizer

Unshielded 180° straight RJ45 jacks
CAT5e CAT6 CAT6A
Back loading
24 ports in one row
Folding frame with snap-in cable grips

SPECIFICATIONS

Material SPCC (1.5t) with Nickel Plating
Frame Galvanized corrosion resistant steel

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFTUN1BK11	1U 24 Port UTP Blank Patch Panel, Black
DSC-PPFTUN3SV11	1U 24 Port UTP/FTP Blank Patch Panel, Silver



Blank Patch Panels for Angled Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

24 port unshielded blank 19" panels	Unshielded 180° & angled RJ45 jacks
Type compatibility	CAT5e CAT6 CAT6A
Category compatibility	Back loading
Insertion method	24 ports in two rows (1U)
Formation	Frame with 24 slots
Back cable organizer	

SPECIFICATIONS

Frame	Galvanized corrosion resistant steel
Paint	Powder paint finish
Operating temperature	-20 to +60°C at 5-95% RH (non condensing)
Storage temperature	-20 to +80°C
Plastic parts	High-impact flame retardant materials

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFTUN1BK12	1U 24 Port UTP Blank Patch Panel for Angled Jack, Black



Blank Staggered Patch Panels For Cat.6A UTP

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

24 port unshielded staggered blank 19" panels	Unshielded 180° & straight RJ45 jacks
Type compatibility	CAT5e CAT6 CAT6A
Category compatibility	Back loading
Insertion method	24 ports in two rows (1U)
Formation	Frame with 24 slots
Back cable organizer	

SPECIFICATIONS

Frame	Galvanized corrosion resistant steel
Paint	Powder paint finish
Operating temperature	-20° to +60°C at 5-95% RH (non condensing)
Storage temperature	-20° to +80°C
Plastic parts	High-impact flame retardant materials

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFTUN1BK13	1U 24 Port UTP Blank Patch Panel (for Cat.6A UTP), Black



Pre-terminated Blank Patch Panel

KEY FEATURES

- Choice of module capacity
- Accepts Copper & Fibre Modules
- Snap-in Type

DESCRIPTION

The Blank Patch Panel accepts both copper and fibre modules. The ability to have fibre and copper presented in one panel offers flexibility in the installation, reduces the rack space required and provides future proofing in system design.

SPECIFICATIONS

Suitable for number of outlets / modules:	48 Port per 1U
Category:	Cat.6 or Cat.6A cassette
Number of rack units (RU):	1
Colour:	Silver
Mounting method:	19 inch mounting
Height:	44.4 mm
Width:	482 mm
Depth:	73 mm

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPFTUN3SV81	1U 48 Port Pre-terminated Blank Patch Panel



1U Brush panel

KEY FEATURES

- 1 RMU Metal Organizer
- Brush to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also blocks the cooling air out of your patch panels.

SPECIFICATIONS

Material	16 Gauge CRS
Finish	Black Powder Coated, Cardinal Finish, Break Sharp Corners and Edges.
Brush	NYLON 6 (0.15mm Black)

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMFT2BBK11	1U Brush panel



1U Cable manager with 5 rings

KEY FEATURES

- 1 RMU Metal Organizer
- Helps organize and protect cables between patch panels
- 5 D-Rings to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Material	16 Gauge CRS(t=1.50mm),
Ring	1/8**3/8" Strip C.R.S
Finish	Black Powder Coated, Cardinal Finish, Break Sharp Corners and Edges.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMFT1RBK11	1U Cable manager with 5 rings, Black
DSC-CMFT1RSV11	1U Cable manager with 5 rings, Silver



1U/2U Cable manager with cover

KEY FEATURES

- 1 RMU Metal Organizer
- Helps organize and protect cables between patch panels
- Cover to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Material	16 Gauge CRS
Wiring Duct	PVC Black (VD-9.7)
Finish	Black Powder Coated, Cardinal Finish, Break Sharp Corners and Edges.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMFT0CBK11	1U Cable manager with cover , metal, Black
DSC-CMFT0CBK21	2U Cable manager with cover , metal, Black



114 x 70 Rectangle Faceplates

KEY FEATURES

- UL94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1- 4 port US Style faceplates
Jack compatibility
Category compatibility
Mount type
Color
Insertion method

Shielded or unshielded RJ45 keystone jacks
CAT5e CAT6 CAT6A
Wall or ducts
White
Back loading

SPECIFICATIONS

Material of construction
Finish

High-impact flame retardant materials, ABS, UL 94V-0
Texture MT11020

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBFT0F1RTHU1	114*70mm Rectangle Faceplate, Horizontal 1 Port
DSC-FBFT0F2RTHU1	114*70mm Rectangle Faceplate, Horizontal 2 Port
DSC-FBFT0F3RTHU1	114*70mm Rectangle Faceplate, Horizontal 3 Port (w/ 2 blank inserts)
DSC-FBFT0F4RTHU1	114*70mm Rectangle Faceplate, Horizontal 4 Port
DSC-FBFT001RT	114*70mm Rectangle Back Box



86 x 86 Square Faceplates

KEY FEATURES

- UL94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1-2 port UK Style faceplates
Jack compatibility
Category compatibility
Mount type
Shuttered
Color

Shielded or unshielded RJ45 keystone jacks
CAT5e CAT6 CAT6A
Wall or ducts
Yes
White

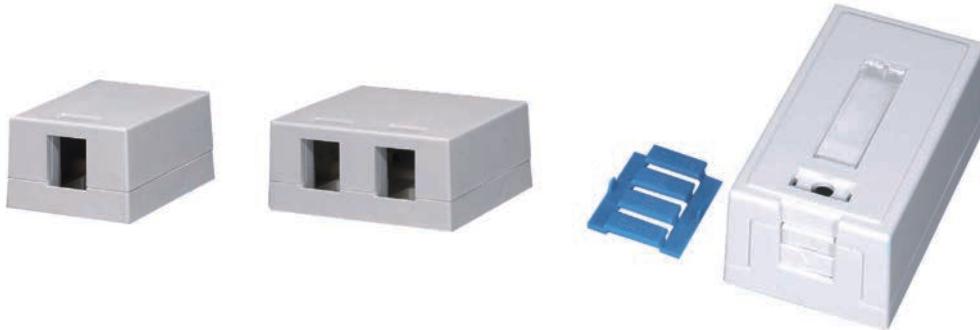
SPECIFICATIONS

Material of construction
ICON:
CAP:
SPRING :
SHUTTER:
PLATE:

High-impact flame retardant materials
ABS, UL 94V-0
ABS, UL 94V-0
SUS 340
ABS, UL 94V-0
ABS, UL 94V-0, 86 x 86 x 9mm

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBFT0F1SQHUN1	86*86mm Square Faceplate 1 Port
DSC-FBFT0F2SQHUN1	86*86mm Square Faceplate 2 Port
DSC-FBFT001SQ	86*86mm Square Back Box



Surface Mount Boxes

KEY FEATURES

- UL94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1-2 port surface mount boxes
Jack compatibility
Category compatibility
Mount type
Shuttered
Color
Insertion method

Shielded or unshielded RJ45 keystone jacks
CAT5e CAT6 CAT6A
Wall or ducts
Yes (optional)
White
Back loading (inside the box)

SPECIFICATIONS

Material of construction

High-impact flame retardant materials, ABS, UL 94V-0

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBFT0B1U1	1 Port Surface Mounted Box w/o Shutter for FT Jacks
DSC-FBFT0B2U1	2 Port Surface Mounted Box w/o Shutter for FT Jacks
DSC-FBFT0B1S1	1 Port Surface Mounted Box w/ Shutter for FT Jacks
DSC-FBFT0B2S1	2 Port Surface Mounted Box w/ Shutter for FT Jacks



Fast Termination Tool

KEY FEATURES

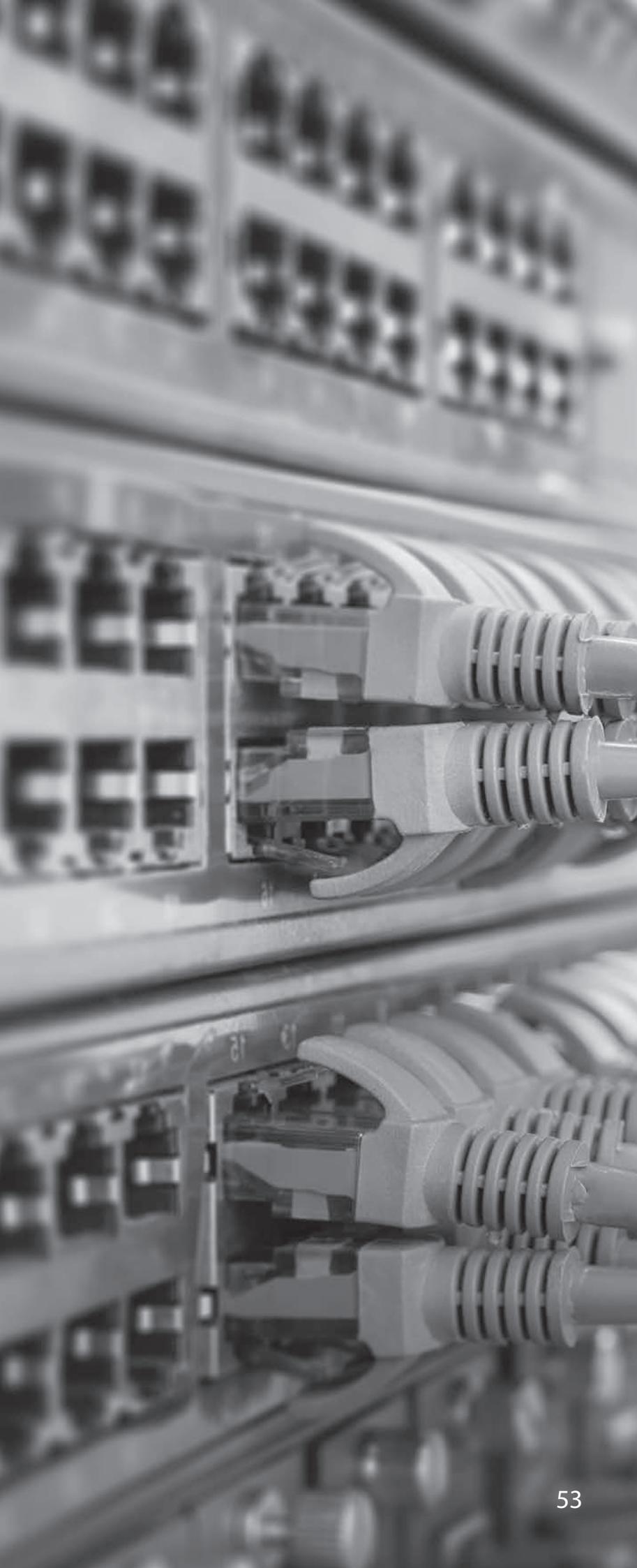
- Enables faster and more accurate cable termination
- Eliminate the damage to the jacks
- One blade fits all Fast Termination jacks
- All 8 wires are terminated and cut in one click

DESCRIPTION

4-Pair Fast Termination tool and blade	
Application	Punch down and cut 8 wires in one click
Tool compatibility	All Fast Termination jacks
Blade compatibility	All Fast Termination jacks
Color	Blue

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJFTT	Fast Termination Tool for Jack
DSC-KJFTB	Blade for Fast Termination Tool



Copper
Solution

Tool-less
Series



Cat.6A STP Toolless Keystone Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- According to: ANSI / TIA-568.2-D
ISO/IEC 11801, EN50173-2
IEEE 802.3at (PoE + Application)
IEC 60512-99-001
- UL Listed
- ETL Verified

DESCRIPTION

8P8C shielded RJ45 toolless keystone jacks	
Frequency range	1-500 MHz
Compatible conductors	22 to 24 AWG solid.
Pin-pair assignment	T568A & T568B
Contacts	Phosphor bronze, 50μ Gold plating.
Housing	PC, UL94V-0.

SPECIFICATIONS

Orientation	180°
Termination blocks	IDC (PC, UL 94V-0)
Insertion/withdrawal	750 cycles
Cable re-termination	30 cycles
Operating temperature	-10°C to +60°C at 10-90% RH (non condensing)
Storage temperature range :	-40°C to +68°C.
Insulation resistance :	500 MΩ.
Dielectric withstand voltage :	1000 V AC.
DC current rating :	1.5 Amps.
DC resistance :	0.1Ω.
Contact resistance :	20mΩ.
Jacks are compatible with 24-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJTL6A2WHD	Cat.6A Toolless Keystone Jack , STP with dust cover, White
DSC-KJTL6A2BKB	Cat.6A Toolless Keystone Jack , STP with dust cover, Black
DSC-KJTL6A2RDB	Cat.6A Toolless Keystone Jack , STP with dust cover, Red
DSC-KJTL6A2YLB	Cat.6A Toolless Keystone Jack , STP with dust cover, Yellow
DSC-KJTL6A2GRB	Cat.6A Toolless Keystone Jack , STP with dust cover, Green
DSC-KJTL6A2BLB	Cat.6A Toolless Keystone Jack , STP with dust cover, Blue
DSC-KJTL6A2ORB	Cat.6A Toolless Keystone Jack , STP with dust cover, Orange



Cat.6 UTP Toolless Keystone Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- According to: ANSI / TIA-568.2-D
ISO/IEC 11801, EN50173-2
IEEE 802.3at (PoE + Application)
- UL Listed
- ETL Verified

DESCRIPTION

8P8C unshielded RJ45 toolless keystone jacks	
Frequency range	1-250 MHz
Compatible conductors	22 to 24 AWG solid.
Pin-pair assignment	T568A & T568B
Contacts	Phosphor bronze, 50μ Gold plating.
Housing	PC, UL94V-0.

SPECIFICATIONS

Orientation	180°
Termination blocks	IDC (PC, UL 94V-0)
Insertion/withdrawal	750 cycles
Cable re-termination	30 cycles
Operating temperature	-10°C to +60°C at 10-90% RH (non condensing)
Storage temperature range :	-40°C to +68°C.
Insulation resistance :	500 MΩ.
Dielectric withstand voltage :	1000 V AC.
DC current rating :	1.5 Amps.
DC resistance :	0.1Ω.
Contact resistance :	20mΩ.
Jacks are compatible with 24-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJTL61WHD	Cat.6 Toolless Keystone Jack , UTP with dust cover, White
DSC-KJTL61BKB	Cat.6 Toolless Keystone Jack , UTP with dust cover, Black
DSC-KJTL61RDB	Cat.6 Toolless Keystone Jack , UTP with dust cover, Red
DSC-KJTL61YLB	Cat.6 Toolless Keystone Jack , UTP with dust cover, Yellow
DSC-KJTL61GRB	Cat.6 Toolless Keystone Jack , UTP with dust cover, Green
DSC-KJTL61BLB	Cat.6 Toolless Keystone Jack , UTP with dust cover, Blue
DSC-KJTL61ORB	Cat.6 Toolless Keystone Jack , UTP with dust cover, Orange



Cat.5E UTP Toolless Keystone Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- According to: ANSI / TIA-568.2-D
ISO/IEC 11801, EN50173-2
IEEE 802.3at (PoE + Application)
- UL Listed

DESCRIPTION

8P8C unshielded RJ45 toolless keystone jacks	
Frequency range	1-100 MHz
Compatible conductors	22 to 24 AWG solid.
Pin-pair assignment	T568A & T568B
Contacts	Phosphor bronze, 50U" Gold painting.
Housing	PC, UL94V-0.

SPECIFICATIONS

Orientation	180°
Termination blocks	IDC (PC, UL 94V-0)
Insertion/withdrawal	750 cycles
Cable re-termination	30 cycles
Operating temperature	-10°C to +60°C at 10-90% RH(non condensing)
Storage temperature range :	-40°C to +68°C.
Insulation resistance :	500 MΩ.
Dielectric withstand voltage :	1000 V AC.
DC current rating :	1.5 Amps.
DC resistance :	0.1Ω.
Contact resistance :	20mΩ.
Jacks are compatible with 24-port 1U panels	

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJTL5E1WHB	Cat.5E Toolless Keystone Jack , UTP with dust cover, White
DSC-KJTL5E1BKB	Cat.5E Toolless Keystone Jack , UTP with dust cover, Black
DSC-KJTL5E1RDB	Cat.5E Toolless Keystone Jack , UTP with dust cover, Red
DSC-KJTL5E1YLB	Cat.5E Toolless Keystone Jack , UTP with dust cover, Yellow
DSC-KJTL5E1GRB	Cat.5E Toolless Keystone Jack , UTP with dust cover, Green
DSC-KJTL5E1BLB	Cat.5E Toolless Keystone Jack , UTP with dust cover, Blue
DSC-KJTL5E1ORB	Cat.5E Toolless Keystone Jack , UTP with dust cover, Orange



Cat.6A Field-terminated RJ45 Plug

KEY FEATURES

- According to : ANSI/TIA-568.2-D, ISO/IEC 11801, IEC 60603-7
- IEEE 802.3bt Power over Ethernet Plus Plus(PoE++) application and IEC 60512-99-002 Mating and un-mating connectors under electrical load
- UL 94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)

MATERIAL

Shield contact :	Nickel silver alloy
Plug housing :	Zinc alloy , Nickel plated
Contact holder :	PC, UL 94V-0
Plug contacts :	Phosphor bronze, 50U" Gold plated on contact area
IDC plastic :	PC, UL 94V-0.
IDC terminals :	Phosphor bronze, Tin over nickel undercoat

PHYSICAL CHARACTERISTICS

Insertion life :	750 mating cycles
Plug Retention Force :	11 lbf minimum
Insertion Force :	30 N maximum
Re-termination :	Up to 20 times
Contact Compatibility :	Accommodates 22 to 26 AWG solid or stranded
Cable Jacket Diameter :	6.5 mm to 8.5 mm
Operating Temperature Range :	-10°C to 60°C
Storage Temperature Range :	-40°C to 68°C
Humidity :	10% to 90% RH (Non-condensing)

ELECTRICAL

Insulation Resistance :	500 MΩ Minimum
DC Current Rating :	1.5 Amps.
Input to Output D.C. Resistance for Shield :	100 mΩ Maximum
Input to Output D.C. Resistance :	200 mΩ Maximum
Contact Resistance :	20 mΩ Maximum
Voltage Proof (Contact to Contact) :	1000 V D.C. or A.C. PEAK
Voltage Proof (Contact to Shield) :	1500 V DC.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJTL6A2SVBB	Cat.6A FTP Field-terminated RJ45 Plug, Silver



Blank Patch Panels for Keystone Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

24- port 1U blank patch panel	Keystone jacks
Type compatibility	CAT5e CAT6 CAT6A
Category compatibility	
Insertion method	Back loading
Formation	24 ports (1U)
Back cable organizer	Yes

SPECIFICATIONS

Frame	SPCC
Operating temperature	-10 to +60°C at 10-90% RH (non condensing)
Storage temperature	-40 to +68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPTLUN3BK241	1U-24 port blank panel, w/cable management. (For UTP/STP), Black
DSC-PPTLUN3WH241	1U-24 port blank panel, w/cable management. (For UTP/STP), White



Angled Patch Panels for Cat.6A Keystone Jacks

KEY FEATURES

- EU Directive 2011/65/EU (RoHS-2)
- Special item for Cat.6A UTP
- UL Listed

DESCRIPTION

24 port 1U angled patch panels	Keystone jacks
Type compatibility	CAT5e CAT6 CAT6A
Category compatibility	
Insertion method	Back loading
Formation	24 ports (1U)
Back cable organizer	Yes

SPECIFICATIONS

Frame	SPCC
Operating temperature	-10 to +60°C at 10-90% RH (non condensing)
Storage temperature	-40 to +68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPTLUN3BK242	1U 24 port angled blank patch panel, w/ rear cable management(For UTP/STP)



1U/2U Cable manager with 4 rings

KEY FEATURES

- 1 RMU Metal Organizer
- Helps organize and protect cables between patch panels
- 4 D-Rings to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Panel	SECC.
Wire Management Hanger	PC.

PHYSICAL CHARACTERISTICS

Operating Temperature Range	-10°C to 60°C
Storage Temperature Range	-40°C to 68°C
Humidity	10% - 90% RH

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMPD2RBK11	1U Cable manager with 4 rings
DSC-CMPD2RBK21	2U Cable manager with 4 rings



1U Cable manager with cover

KEY FEATURES

- 1 RMU Organizer
- Helps organize and protect cables between patch panels
- Covers cables to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Iron Material	Aluminium alloy
The thickness of the plate:	1.6mm
Iron plate surface:	Black

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMPD1CBK11	1U Cable manager with cover , aluminium, Black



1U Brush panel

KEY FEATURES

- 1 RMU Metal Organizer
- Helps organize and protect cables between patch panels
- Brush to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Material	SPCC , Black
Brush	Nylon

PHYSICAL CHARACTERISTICS

Operating Temperature Range	-10 °C to 60 °C
Storage Temperature Range	-40 °C to 68 °C
Humidity	10% - 90% RH

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMPD2BBK11	1U Brush panel



114 x 70 Faceplates

KEY FEATURES

- UL94 V-0 flame test for ABS
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1- 2 port US Style faceplates	Shielded or unshielded RJ45 keystone jacks
Jack compatibility	CAT5e CAT6 CAT6A
Category compatibility	Wall or ducts
Mount type	No
Shuttered	White
Color	Back loading
Insertion method	

SPECIFICATIONS

Material	ABS,UL94V-0
Operating temperature	-10 to +60°C at 10-90% RH(non condensing)
Storage temperature	-40 to +68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBTL0F1RTVU1	114*70mm Vertical faceplate, 1 Port, Single gang,
DSC-FBTL0F2RTVU1	114*70mm Vertical faceplate, 2 Port, Single gang
DSC-FBTL0F1RTHU1	114*70mm Horizontal faceplate, 1 Port, Single gang,
DSC-FBTL0F2RTHU1	114*70mm Horizontal faceplate, 2 Port, Single gang
DSC-FBTL000RT	Single-gang Back box 75*115*38mm



86 x 86 Angled Faceplates

KEY FEATURES

- UL94 V-0 flame test for ABS
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1-2 port UK Style faceplates	Shielded or unshielded RJ45 keystone jacks
Jack compatibility	CAT5e CAT6 CAT6A
Category compatibility	Wall or ducts
Mount type	Optional
Shuttered	White (other colors available)
Color	Back loading
Insertion method	

SPECIFICATIONS

Material	ABS,UL94V-0
Operating temperature	-10 to +60°C at 10-90% RH(non condensing)
Storage temperature	-40 to +68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBTL0F1SQHU2	86*86mm faceplate angled , wo/ shutter, 1 port
DSC-FBTL0F2SQHU2	86*86mm faceplate angled , wo/ shutter, 2 port
DSC-FBTL0F1SQHS2	86*86mm faceplate angled , w/ shutter, 1 port
DSC-FBTL0F2SQHS2	86*86mm faceplate angled , w/ shutter, 2 port
DSC-FBTL000SQ	Single-gang Back box ,86*86*37mm



Surface Mount Box

KEY FEATURES

- UL 94 V-0 flame test for ABS
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

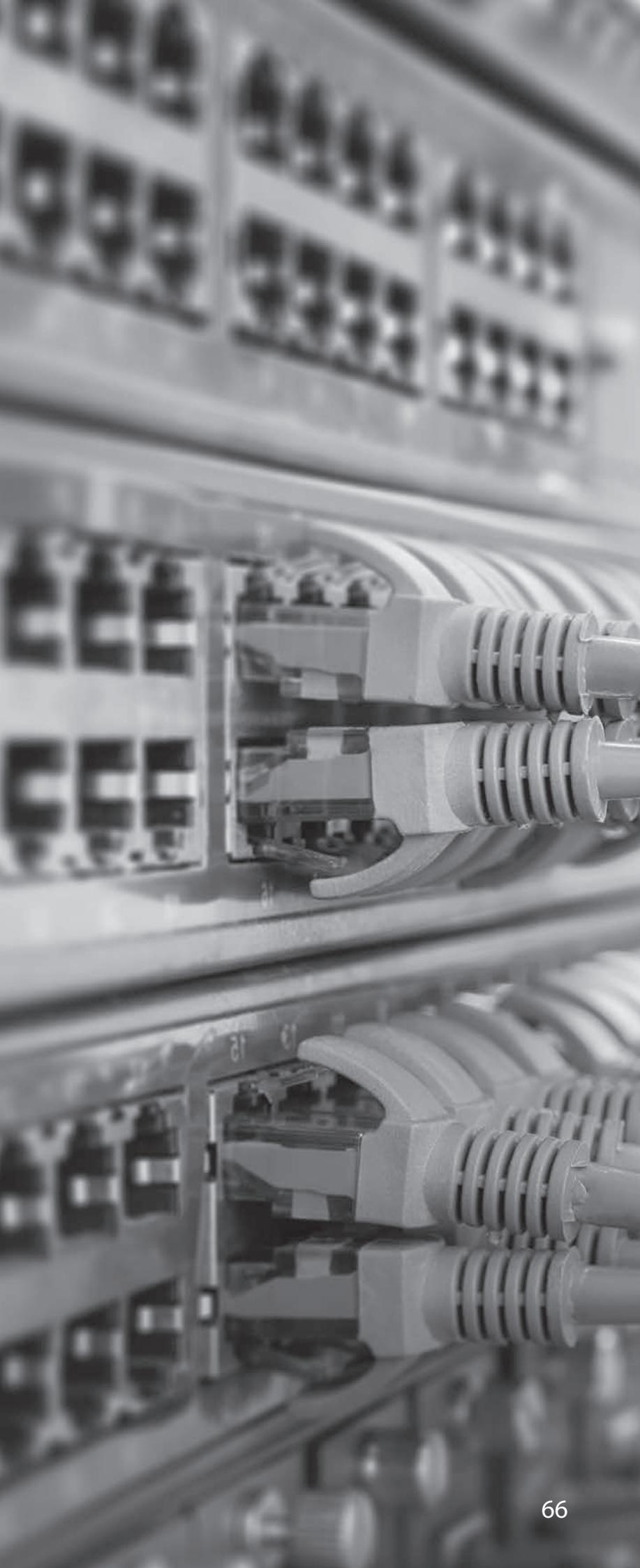
1 port surface mount boxes	Shielded or unshielded RJ45 keystone jacks
Jack compatibility	Cat.5e, Cat.6, Cat.6A Keystone jacks
Category compatibility	
Mount type	Wall or ducts
Shuttered	Yes
Color	White
Insertion method	Back loading (inside the box)

SPECIFICATIONS

Material	ABS UL 94V-0
Spring	SUS 304
Operating temperature	-10°C to + 60°C at 10-90% RH(non condensing)
Storage temperature	-40°C to + 68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-UNIBOX	Surface Mount Box 1 Port



Copper Solution

Punch Down Series



Cat.6 90° Keystone Jacks

KEY FEATURES

- Category 6 Keystone Jack according to ANSI/TIA-568.2-D
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

8P8C unshielded RJ45 punch-down keystone jacks	
Frequency range	1-250 MHz
Compatible conductors	22 to 24 AWG SOLID
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze, 50μ Gold Plating.
Shield	None
Housing	ABS, UL94V-0.
Standard color	White

SPECIFICATIONS

Orientation	90°
Termination blocks	110 IDC (PC,UL94V-0.)
Insertion/withdrawal	750 cycles
Cable re-termination	200 cycles
Operating temperature	-10°C to +60°C at 10-90% RH(non condensing)
STORAGE TEMPERATURE RANGE:	-40°C to +68°C
Insulation resistance:	500 MΩ.
Dielectric withstand voltage:	1000 V AC.
DC current rating:	1.5 Amps.
DC resistance:	0.1Ω.
Contact resistance:	20mΩ.
Tool:	Punch down tool

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJPDC61WHA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, White
DSC-KJPDC61BKA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, Black
DSC-KJPDC61RDA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, Red
DSC-KJPDC61YLA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, Yellow
DSC-KJPDC61GRA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, Green
DSC-KJPDC61BLA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, Blue
DSC-KJPDC61ORA	Cat.6 Keystone Jack , UTP 90 Degree , 110 IDC, Orange



Cat.5E 90° Keystone Jacks

KEY FEATURES

- Category 5E Keystone Jack according to ANSI/TIA-568.2-D
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

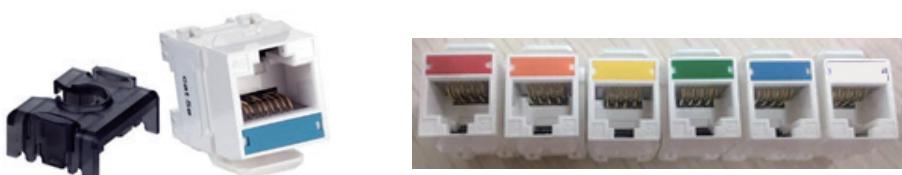
8P8C unshielded RJ45 punch-down keystone jacks	
Frequency range	1-100 MHz
Compatible conductors	22 to 24 AWG solid
Pin-pair assignment	T568A & T568B
Contacts	Phosphor bronze, 50μ Gold plating.
Shield	None
Housing	ABS, UL94V-0.
Standard color	White

SPECIFICATIONS

Orientation	90°
Termination blocks	110 IDC (PC,UL94V-0.)
Insertion/withdrawal	750 cycles
Cable re-termination	200 cycles
Operating temperature	-10°C to +60°C at 10-90% RH(non condensing)
Storage temperature range:	-40°C to +68°C
Insulation resistance:	500 MΩ.
Dielectric withstand voltage:	1000 V AC.
DC current rating:	1.5 Amps.
DC resistance:	0.1Ω.
Contact resistance:	20mΩ.
Tool:	Punch down tool

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJPD5E1WHA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, White
DSC-KJPD5E1BKA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, Black
DSC-KJPD5E1RDA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, Red
DSC-KJPD5E1YLA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, Yellow
DSC-KJPD5E1GRA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, Green
DSC-KJPD5E1BLA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, Blue
DSC-KJPD5E1ORA	Cat.5E Keystone Jack , UTP 90 Degree , 110 IDC, Orange



Cat.6 180° Keystone Jack with 6 color-icons

KEY FEATURES

- Category 6 Keystone Jack according to ANSI/TIA-568.2-D, ISO/IEC 11801
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed
- IEEE 802.at(PoE+)
- IEC 60512-99-001 mating and un-mating connectors under electrical load

DESCRIPTION

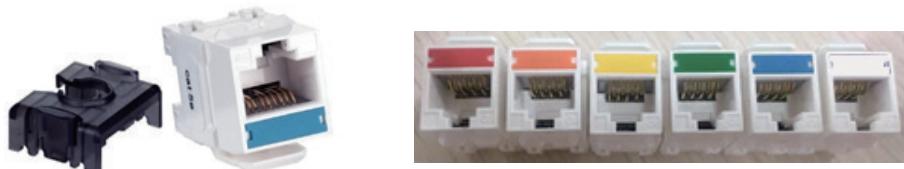
8P8C unshielded RJ45 punch-down keystone jacks	
Frequency range	1-250 MHz
Compatible conductors	22 to 24 AWG Solid
Pin-pair assignment	T568A & T568B
Contacts	Phosphor Bronze, 50μ Gold Painting.
Shield	None
Housing	ABS, UL 94V-0.
Standard color	White

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC (PC,UL 94V-0.)
Insertion/withdrawal	750 cycles
Cable re-termination	200 cycles
Operating temperature	-10°C to +60°C at 10-90% RH(non condensing)
Storage temperature range	-40°C to +68°C
Insulation resistance	500 MΩ.
Dielectric withstand voltage	1000 V AC.
DC current rating	1.5 Amps.
DC resistance	0.1Ω.
Contact resistance	20mΩ.
Tool	Punch down tool
Color icons	Orange, Red, Yellow, Green, Blue and White

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJPDC61WHB	Cat.6 Keystone Jack , UTP 180 Degree, 110 IDC, White with 6 color-icons



Cat.5E 180° Keystone Jack with 6 color-icons

KEY FEATURES

- Category 5E Keystone Jack according to ANSI/TIA-568.2-D, ISO/IEC 11801
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed
- IEEE 802.at(PoE+)
- IEC 60512-99-001 mating and un-mating connectors under electrical load

DESCRIPTION

8P8C unshielded RJ45 punch-down keystone jacks	
Frequency range	1-100 MHz
Compatible conductors	22 to 24 AWG solid
Pin-pair assignment	T568A & T568B
Contacts	Phosphor bronze, 50μ Gold plating.
Shield	None
Housing	ABS, UL 94V-0.
Standard color	White

SPECIFICATIONS

Orientation	180°
Termination blocks	110 IDC (PC,UL 94V-0.)
Insertion/withdrawal	750 cycles
Cable re-termination	200 cycles
Operating temperature	-10°C to +60°C at 10-90% RH(non condensing)
Storage temperature range:	-40°C to +68°C
Insulation resistance:	500 MΩ.
Dielectric withstand voltage:	1000 V AC.
DC current rating:	1.5 Amps.
DC resistance:	0.1Ω.
Contact resistance	20mΩ.
Tool	Punch down tool
Color icons	Orange, Red, Yellow, Green, Blue and White

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-KJPD5E1WHD	Cat.5E Keystone Jack , UTP 180 Degree , 110 IDC, White with 6 color-icons



Cat.6 UTP Patch Panels

KEY FEATURES

- Category 6 channel acc. to ANSI/TIA-568.2-D
- UL94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

24 port unshielded panels	
Frequency range	1-250 MHz
Panel front	4 modules of 6 RJ45 jacks
Panel back	SPCC
Color	Black

SPECIFICATIONS

Port contacts	Phosphor bronze, 50μ" Gold painting.
Insertion/Extraction durability	750 cycles
IDC termination durability	200 cycles for 22 to 24 AWG SOLID.
Operating temperature	-10°C to +60°C at 10-90% RH (non condensing)
Storage temperature range :	-40°C to 68°C.
Insulation resistance:	500 MΩ.
Dielectric withstanding voltage:	1000 V AC.
DC current rating:	1.5 Amps.
DC resistance:	0.1Ω.
Contact resistance:	20mΩ.
Tool:	Punch down tool

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPPDC61BK241	Cat.6 Patch Panel with Press-Up ID cover , UTP, 1U, 24 Ports ,110/Krone IDC



Cat.5E UTP Patch Panels

KEY FEATURES

- Category 5e channel acc. to ANSI/TIA-568.2-D
- UL94 V-0 flame test
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

24 port unshielded panels	
Frequency range	1-100 MHz
Panel front	4 modules of 6 RJ45 jacks
Panel back	SPCC
Color	Black
Housing	PBT UL 94V-0
Frame	SPCC

SPECIFICATIONS

Port contacts	50 Micro-Inch gold plating over the plated surface
Insertion/Extraction durability	750 cycles
IDC termination durability	200 cycles for 22 to 24 AWG
Operating temperature	-10 to +60°C at 10-90% RH (non condensing)
Contact resistance	20 mOhm max.
DC resistance	0.1 Ohm max.
Insulation resistance	500 MegaOhm min.

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-PPPD5E1BK241	Cat.5E Patch Panel with Press-Up ID cover , UTP, 1U, 24 Ports ,110/Krone IDC



1U/2U Cable manager with 4 rings

KEY FEATURES

- 1 RMU Metal Organizer
- Helps organize and protect cables between patch panels
- 4 D-Rings to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Panel	SECC.
Wire Management Hanger	PC.

PHYSICAL CHARACTERISTICS

Operating Temperature Range	-10°C to 60°C
Storage Temperature Range	-40°C to 68°C
Humidity	10% - 90% RH

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMPD2RBK11	1U Cable manager with 4 rings
DSC-CMPD2RBK21	2U Cable manager with 4 rings



1U Cable manager with cover

KEY FEATURES

- 1 RMU Organizer
- Helps organize and protect cables between patch panels
- Covers cables to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Iron Material	Aluminium alloy
The thickness of the plate:	1.6mm
Iron plate surface:	Black

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMPD1CBK11	1U Cable manager with cover , aluminium, Black



1U Brush panel

KEY FEATURES

- 1 RMU Metal Organizer
- Helps organize and protect cables between patch panels
- Brush to provide protection

DESCRIPTION

D-Link Cable Manager will enable you to organize installations efficiently and neatly, to ensure that any change to your network is easy to manage. The product ensures that patch cords are held within the unit, and also ensures that the patch cord does not hang over your patch panels.

SPECIFICATIONS

Material	SPCC , Black
Brush	Nylon

PHYSICAL CHARACTERISTICS

Operating Temperature Range	-10 °C to 60 °C
Storage Temperature Range	-40 °C to 68 °C
Humidity	10% - 90% RH

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-CMPD2BBK11	1U Brush panel



114 x 70 Faceplates

KEY FEATURES

- UL94 V-0 flame test for ABS
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1- 2 port US Style faceplates	Shielded or unshielded RJ45 keystone jacks
Jack compatibility	CAT5e CAT6 CAT6A
Category compatibility	Wall or ducts
Mount type	No
Shuttered	White
Color	Back loading
Insertion method	

SPECIFICATIONS

Material	ABS,UL94V-0
Operating temperature	-10 to +60°C at 10-90% RH(non condensing)
Storage temperature	-40 to +68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBTL0F1RTVU1	114*70mm Vertical faceplate, 1 Port, Single gang,
DSC-FBTL0F2RTVU1	114*70mm Vertical faceplate, 2 Port, Single gang
DSC-FBTL0F1RTHU1	114*70mm Horizontal faceplate, 1 Port, Single gang,
DSC-FBTL0F2RTHU1	114*70mm Horizontal faceplate, 2 Port, Single gang
DSC-FBTL000RT	Single-gang Back box 75*115*38mm



86 x 86 Angled Faceplates

KEY FEATURES

- UL94 V-0 flame test for ABS
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1-2 port UK Style faceplates	Shielded or unshielded RJ45 keystone jacks
Jack compatibility	CAT5e CAT6 CAT6A
Category compatibility	Wall or ducts
Mount type	Optional
Shuttered	White (other colors available)
Color	Back loading
Insertion method	

SPECIFICATIONS

Material	ABS,UL94V-0
Operating temperature	-10 to +60°C at 10-90% RH(non condensing)
Storage temperature	-40 to +68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-FBTL0F1SQHU2	86*86mm faceplate angled , wo/ shutter, 1 port
DSC-FBTL0F2SQHU2	86*86mm faceplate angled , wo/ shutter, 2 port
DSC-FBTL0F1SQHS2	86*86mm faceplate angled , w/ shutter, 1 port
DSC-FBTL0F2SQHS2	86*86mm faceplate angled , w/ shutter, 2 port
DSC-FBTL000SQ	Single-gang Back box ,86*86*37mm



Surface Mount Box

KEY FEATURES

- UL 94 V-0 flame test for ABS
- EU Directive 2011/65/EU (RoHS-2)
- UL Listed

DESCRIPTION

1 port surface mount boxes	Shielded or unshielded RJ45 keystone jacks
Jack compatibility	Cat.5e, Cat.6, Cat.6A Keystone jacks
Category compatibility	
Mount type	Wall or ducts
Shuttered	Yes
Color	White
Insertion method	Back loading (inside the box)

SPECIFICATIONS

Material	ABS UL 94V-0
Spring	SUS 304
Operating temperature	-10°C to + 60°C at 10-90% RH(non condensing)
Storage temperature	-40°C to + 68°C

ORDERING INFORMATION

MODEL NAME	DESCRIPTION
DSC-UNIBOX	Surface Mount Box 1 Port

The following glossary offers explanations for a number of terms used in this catalog. It additionally provides explanations for a number of other terms frequently used within the networking and cabling industries.

10BASE-T- 10 Mbps Ethernet using 2-pairs of Category 3 cable.

100BASE-T4- 100 Mbps Fast Ethernet using 4-pairs of Category 3 cable.

100BASE-TX- 100 Mbps Fast Ethernet using 2-pairs of Category 5 cable.

100VG-AnyLAN- 100 Mbps LAN using Demand Priority Protocol originally developed by Hewlett Packard and AT&T for Category 3 cable.

1000BASE-T- 1000 Mbps (1Gbps) Ethernet using 4-pairs of Category 5e cable.

1000BASE-TX- A low cost alternative to 1000BASE-T developed by TIA for Category 6 cabling.

1000BASE-SX- 1000 Mbps (1Gbps) Ethernet operating on multimode fiber with short wave lasers (850 nm).

1000BASE-LX- 1000 Mbps (1 Gbps) Ethernet operating on multimode fiber with long wave lasers (1300nm).

10GBASE-T- 10 Gbps Ethernet using 4-pairs of Category 6 or better cabling.

10GBASE-LR- 10 Gigabit Ethernet operating at long wavelength (1300nm) on singlemode optical fiber. 10GBASE-LR is the LAN version, 10GBASE-LW is the WAN version. Up to 10 Km reach.

10GBASE-LX4- 10 Gigabit Ethernet operating at long wavelength (1300nm) on multimode or singlemode optical fiber. Designed to overcome the imperfections of legacy multimode fiber, by utilizing 4 lasers and 4 detectors operating at different wavelengths. Up to 300 m reach on multimode, 10 Km on singlemode.

10GBASE-SR- 10 Gigabit Ethernet operating at short wavelength (850 nm) on laser optimized (OM3) multimode fiber. The lowest cost transceiver alternative, taking advantage of the advances in multimode fiber technology that eliminate the imperfections of legacy multimode. Up to 300m reach on laser optimized (OM3) multimode fiber (up to 550 m supported on enhanced OM3 fiber).

A

Alien Crosstalk- Signal coupling between adjacent cabling components (cables, connector) or between adjacent links or channels.

Application- A system, with its associated transmission method which is supported by telecommunications cabling.

Application Layer- The uppermost layer (layer7) of the open systems interconnection (OSI) model. This layer is concerned with support to the user application and is responsible for managing the communication between applications, e.g. Email, File transfer, etc.

Asynchronous- Two or more signals sourced from independent clocks, therefore having different frequency and phase relations.

Asynchronous Data Transfer- A method of data transfer in which each alphabetic or numeric character (represented by 7 or 8 bits) is preceded by 'start' and 'stop' bits to delineate the 7/8 bit pattern from the ideal pattern which otherwise occupies the (digital) transmission medium.

Asynchronous Transfer Mode (ATM)- A high-speed cell-based switching and multiplexing technology based on segmentation of voice, data and video into fixed packets (cells). These cells are transferred along switched paths and are not received on a regular basis (hence the term asynchronous).

Attenuation- The effect of signal dwindling, experienced with accumulating line length or distance or radio transmission.

B

Backbone(s)- The part of a premises distribution system that

includes a main cable route and facilities for supporting the cable from the equipment room to the upper floors, or along the same floor to the wiring closets.

Balanced Twisted Pair Cable- A cable consisting of one or more metallic symmetrical cable elements (twisted pairs or quads).

Bandwidth- The range of frequencies that can be used for transmitting information on a channel. It indicates the transmission-carrying capacity of a channel. Thus, the larger the bandwidth, the greater the amount of information that can pass through the circuit. Measured in hertz or bits per second or Mhz-Km (for fiber).

Bit Error Rate (BER)- A measure of quality of a digital transmission line, either quoted as a percentage, or more usually as a ratio, typically 1 error in 10E8 or 10E9 bits carried. The lower the number of errors, the better the quality of the line.

Building Backbone Cable- A cable that connects the building distributor to a floor distributor. Building backbone cables may also connect floor distributors in the same building.

Building Distributor- A distributor in which the building backbone cable(s) terminate(s) and at which connections to the campus backbone cable(s) may be made.

Building Entrance Facility- A facility that provides all necessary mechanical facility and electrical services, that complies with all relevant regulations, for the entry of telecommunications cables into a building.

BUS- Consists of a common transmission path with a number of nodes attached to it. Sometimes referred to as linear network topology.

C

Cabling- A system of telecommunications cables, cords and connecting hardware that can support the connection of information technology equipment.

Campus- A premises containing more than one building adjacent or near to one another.

Campus Backbone Cabling- A cable that connects the campus distributor to the building backbone distributor(s). Campus backbone cables may also connect building distributors directly.

Category 3- Industry standard for cable and connecting hardware products with transmission characteristics specified to 16 MHz, designed to support digital transmission of 10 Mbps.

Category 5- Industry standard for cable and connecting hardware products with transmission characteristics specified to 100 MHz, intended to support digital transmission of 100 Mbps.

Category 5e- Enhanced Category 5 specifications for cable and connecting hardware products with transmission characteristics specified to 100 MHz, intended to support digital transmission of 1000 Mbps.

Category 6- Industry standard for cable and connecting hardware products with transmission characteristics specified to 250 MHz, designed to support digital transmission in excess of 1000 Mbps.

Category 6A- Industry standard for cable and connecting hardware products with transmission characteristics specified to 500 MHz, designed to support digital transmission of 40 Gbps.

CENELEC- European committee for electrotechnical standardization.

CENELEC En50173- The European standard for generic cabling for customer premises.

CENELEC En50174- A proposed European cabling systems planning & installation standard being developed by CENELEC.

Channel- The end-to-end transmission path connecting any two pieces of application-specific equipment. Equipment cables and work area cables are included in the channel.

Consolidation Point- An interconnection point in horizontal cabling, typically used to support the re-arrangement of furniture cloisters.

Cross-connect- A facility enabling the termination of cable elements and their connection, primarily by means of patch cords or jumpers.

Crosstalk- An electromagnetic coupling between two physically isolated circuits in a system. This coupling causes a signal on one circuit to induce a noise voltage on adjacent circuits, thereby causing signal interference.

D

Decibel (dB)- A unit used to measure relative increase or decrease in power, voltage or current, using a logarithmic scale.

Digital Transmission- A technique in which all information is converted into binary digits for transmission.

Distributor- The terms used for the functions of a collection of components (i.e. patch panels, patch cords) used to connect cables.

E

EIA/TIA- North American Standards organization.

EIA/TIA 568B- North American commercial building telecommunications wiring standard.

Ethernet- A LAN originally developed by DEC, Xerox and Intel. It used the CSMA/CD protocol.

F

Fast Ethernet- A 100 Mbps LAN based on CSMA/CD protocol. See 100BASE-T.

Fiber- See Optical Fiber.

Fiber Channel- This is an ANSI standard describing point to point and switched point to point physical interface, transmission protocol, signaling protocol, services and command set mapping of a high performance serial link for uses between mainframe computers and computer peripherals.

Fiber Distributed Data Interface (FDDI)- An American National Standards Institute standard for fiber-based token passing access protocol that operates at a 100 Mbps data transfer rate.

Foil Screened Twisted Pair Cable (FTP)- A cable that uses a metallic foil to surround the conductors in a twisted pair cable.

Full Duplex- Simultaneous two-way communication on the same link or cabling channel.

Full Duplex Ethernet- Full duplex Ethernet allows nodes to transmit and receive data at the same time, doubling throughput between work-station and switch.

G

Generic Cabling- A structured telecommunications cabling system, capable of supporting a wide range of applications. Generic cabling can be installed without prior knowledge of the required applications. Application-specific hardware is not a part of generic cabling.

H

Half Duplex- Two-way transmission on a single link or cabling channel, one direction at a time.

Horizontal Cable- A cable connecting the floor distributor to the telecommunications outlet(s).

Horizontal Subsystem- The part of the premises distribution system installed on one floor that includes the cabling and distribution components connecting the riser backbone or equipment wiring to the information outlet.

Hub- A concentrator or repeater in a star topology at which node

connections meet.

Hybrid Cable- An assembly of two or more different types of cable units, cables or categories covered by an overall sheath. It may be covered by an overall shield.

I

IEC 60332- The international standard covering fire performance of cables.

IEEE- Institute of Electrical and Electronic Engineers in the USA. This organization is also involved in producing Local Area Network standards such as Ethernet.

Individual Pair Screened- Where each twisted pair in one overall cable has its own screen.

Integrated Services Digital Network (ISDN)- Integrated voice and data network based on digital communications technology and standards interfaces.

Intelligent Buildings- Buildings that maximize the efficiency of its occupants and allow effective management of resources with minimum of resources with minimum life-time costs (Source: European Intelligent Building Group).

Interconnect- A location at which equipment cables are terminated and interconnected to the cabling subsystems without using a patch cord or jumper.

Interference- A signal impairment caused by the interaction of another unwanted signal.

ISO- International Standards Organization.

ISO/IEC IS 11801- The international standard for generic cabling for customer premises.

ISO/IEC 14763-1- The international standard for generic cabling.

L

Local Area Network(s) (LANs)- A LAN allows users to share information and computer resources. Typically a local area network is limited to a single building.

M

Multimedia- A means of conveying information with components in different media such as voice, music, text, graphics, image and video.

Multimode Fiber- Optical fibers that have a large core and that permit non-axial rays or modes to propagate through the core.

N

Network Architecture- Network topology and design.

Network Interface Cards (NICs)- The piece of equipment that is installed into the expansion port of a personal computer and allows communication between the PC and the network.

Network Layer- The network layer is layer 3 of the OSI model. This layer sets up an end-to-end connection across a network determining which permutation of individual links to be used. Thus the network layer performs overall routing functions.

Node(s)- A piece of communications equipment on the network.

Noise- The term used for spurious signals produced in a conductor by sources other than the transmitter to which it is connected. Noise can affect a legitimate signal to the extent that it is inaccurate or indecipherable when it reaches the receiver. The higher the speed of data transmission, the worse the effects of noise become.

O

Open System Interconnection (OSI)- A conceptual model specified by CCITT recommendations in the X200 series. The model describes the 7-layer process of communication between co-operating computers. The model provides a standard for the development of communication protocols allowing for computers of different manufacturers to be interconnected.

Optical Fiber- A transmission medium consisting of a core of glass or plastic surrounded by a protective cladding. Signals are transmitted as light pulses, introduced into the fiber by a light transmitter (i.e. Laser or an LED).

Outlets- A term used to describe the sockets provided in the work location of a structured cabling system. These are usually 8-pin modular sockets which can support a variety of services (i.e. voice, video and data).

P

Patch Cord(s)- Flexible cable unit or element with connector(s), used to establish connections on a patch panel.

Patch Panel(s)- Termination and administration hardware designed to accommodate the use of patch cords. It facilitates administration for moves and changes.

Pathway(s)- Designated cable routes and/or support structures on a false floor or ceiling. **Peripheral(s)**- Additions to a system, a resource (i.e. printer, scanner, etc.)

Permanent Link- The transmission path between two mated interfaces of generic cabling, excluding equipment cables, work area cables and cross-connections.

Physical Layer- Layer 1 of the open systems interconnection (OSI) model. The physical layer protocol is the hardware and software in the line terminating device which converts the data bits needed by the datalink layer into the electrical pulses, modern tones, optical signals or other means which will transmit the data.

Physical Topology- Physical cabling layout (i.e. ring, bus, star wired etc.)

Ports- A computer interface capable of transmitting and or receiving information.

PowerSum- A method of testing and measuring crosstalk in multi-pair cables that accounts for the sum of crosstalk affecting a pair when all other pairs are active. This is the only method of specifying crosstalk performance that is suited to cables with more than four pairs.

Protocol(s)- Systems that are not standards specific and therefore are not interoperable with standards based equipment.

R

Raceway- Any distribution method designed for holding cables, (i.e. conduit, metal or plastic trunking, cable trays, etc.)

Redundancy Risers- A fail-safe method of splitting and routing riser/backbone cabling via two or more riser cores. Also known as diverse routing.

Riser(s)- The term used to describe a space utilized by backbone cabling to house communications cabling and other building services. This space should preferably be specified, or allowed for, at the time of the building design.

Router(s)- An intermediate system between two or more networks capable of forwarding data packets at the networks layer (layer3).

S

Screened Cable- See foil screened twisted pair cable.

Simplex- A transmission means allowing only one direction of transmission. (i.e. public broadcast radio.)

Singlemode- Optical fiber with a small core diameter in which only

singlemode is capable of propagation, 8.3 micron is the common standard core size.

Splice- A joining of conductors or fibers, generally from separate cables.

Star- A physical point to point network topology.

Structured Cabling- Flexible cabling scheme which allows rapid reconfiguration for office moves through patching.

Switching- A function carried out by a switching hub, alleviating traffic by making virtual connections between transmitting and receiving nodes.

Synchronization- The method by which the bit patterns appearing on digital line systems may be properly clocked and interpreted — allowing the beginning of particular patterns and frame formats to be correctly identified.

Synchronous- Signals that are sourced from the same timing reference and hence are identical in frequency.

T

Telecommunications- A branch of technology concerned with the transmission, emission and reception of signals, writing, images and sounds; that is, information of any nature by cable, radio, optical or other electromagnetic systems.

Telecommunications Closet- An enclosed space for housing telecommunications equipment, cable terminations, and cross-connect cabling. The telecommunications closet is a recognized cross-connect point between the backbone and horizontal cabling subsystems.

Telecommunications Outlet- A socket where the horizontal cable terminates. The telecommunications outlet provides the interface to work area cabling.

Token Ring- The transmission medium used for IEEE 802.3 10BASE-2 LANs. It is a 50 ohm thick coax cable (commonly referred to as Cheapernet). It is a 50 ohm thin coax cable.

Topology- The physical or logical configuration of a telecommunications system.

Twisted Pair(s)- A cable element conducting cable comprising one or more pairs none of which is shielded.

V

VCSEL- Vertical Cavity Surface Emitting Laser.

Video Conferencing- Real time communications via video between two or more users at separate locations.

W

Wide Area Networks (WANS)- Networks that are linked across a large geographical area generally using leased lines from a public operator.

Wireless LAN- Local area network that communicates using radio technology.

Work Area- A building space where the occupants interact with telecommunications terminal equipment. A user's work area which is typically 9 sq. meter or 100 sq. ft.

Work Area Cable- A cable connecting telecommunications outlet to the terminal equipment.

The D-Link environmental policies show its commitment for building an evolutionary and sustainable world. The recognition of this conduct came with achievements such as the Certificate of ISO 14001:2015 for Environmental Management granted by SGS United Kingdom Ltd. to the industrial unit.

Good examples are the waste management that contributes for products and raw materials recycling and the LSZH (Low Smoke Zero Halogen) or LSOH cables which contribute to the low emission of toxic gases and smoke.

D-Link Corporation has been assessed and certified as meeting the requirements of ISO 9001:2015 & ISO 14001:2015.



ROHS COMPLIANT

The European RoHS directive restricts the use of certain hazardous substances in electrical and electronic equipments and stimulates the reuse of products and determines a proper management, with the objective to improve the effectiveness of the environmental protection by reducing the amount of industrial waste and the risk of the components.

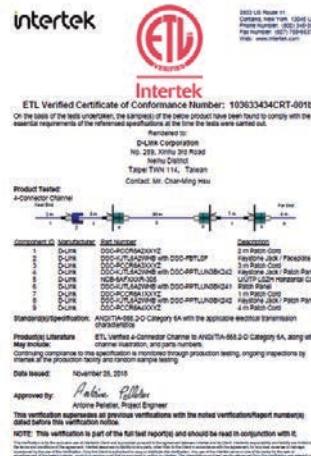
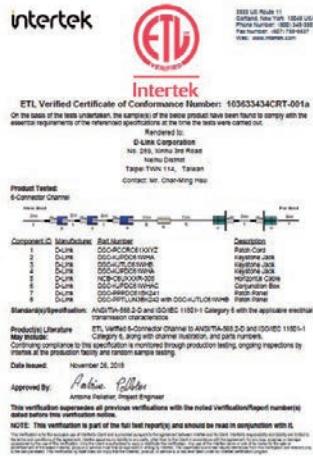
D-Link meets the RoHS requirement for the entire line of structured cabling.





D-Link Cabling Certification

D-Link has many cabling certificates to show the product quality. They come from UL, ETL, CE/CPR certificates and EC Verified Program in Europe. D-Link is the professional manufacturer awarded these certification in Asia.



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D-Link Certified Cabling Expert' (DCCE) program has been established with the objective of imparting enhanced knowledge on structured cabling to the engineers & technicians of its System Integrators.

The 2 day DCCE program is conducted by a team specializing in structured cabling domain from D-Link, who offer participant with in-depth information on the technical aspect of the subject, evaluate trends for both Copper and Fiber products, and train them to design, install & also conduct post implementation testing of D-Link passive networking components for Infrastructure Projects.

On the very first day, participants were introduced to Copper cabling and covered topics like Information transportation system, Evolution of structured cabling, Basic concepts of topology, SCS standards, Categories of copper cables, Field testing & Installation requirements along with practical's. While on the second day, the focus is on Fiber cabling and it covers topics like Basics of optical fiber, Fiber theory & hands-on, Key definitions, Different types of fiber cables, Fiber cable construction, Fiber optic components & OFC cabling considerations.

After the 2 day program, participants have to undergo an exam, and once certified as DCCE they will be in a position to validate projects wherein D-Link structured cabling products are implemented, with 25 years performance warranty.

To register for the DCCE certification program, participants can log on to <http://www.dlink.com>



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