PRODUCT GUIDE

Enterprise Network

LAN Cable
Fiber Optic Solution
FTTH/FTTx
Cabinet Server
Data Center Solution

DTC Netconnect
PT Adhitya Mandiri Pratama - Since 1993
www.dtcnetconnect.com

DTC Netconnect
SOLUTION FOR YOUR ALL CONNECTION

DTC Netconnect is a world-class exellence performance end-to-end infrastructure solution – designed, manufactured, supported and delivered professionaly.

DTC Netconnect is driven by a team of industry experts, ensuring the latest innovation and manufacturing capabilities are implemented to surpass industry standards for quality and performance, technical compliance and ease of installation and use. Our emphasis is on compatibility and standards compliance 'from cable to cabinet', reliability and product availability.

The DTC brand is owned by
PT. Adhitya Mandiri Pratama.

DTC VALUE

01 **DTC PROVEN**

DtC produk yang memenuhi internasional standar, telah diuji dan sertifikasi oleh pihak ketiga (independen) dari negara lain.

02 **DTC COMPATIBLE**

Menyediakan solusi end-to-end yang didukung oleh satu perusahaan dengan satu sistem garansi.

03 **DTC TRUSTED**

Semua layanan yang disediakan secara profesional oleh perusahaan yang beroperasi sejak 1994-PT. Adhitya mandiri Pratama.

04 **DTC ACCEPTED**

Produk DtC sejak 2013 telah diterima dan dilaksanakan lebih dari 500.000 titik kerja/Home Pass.

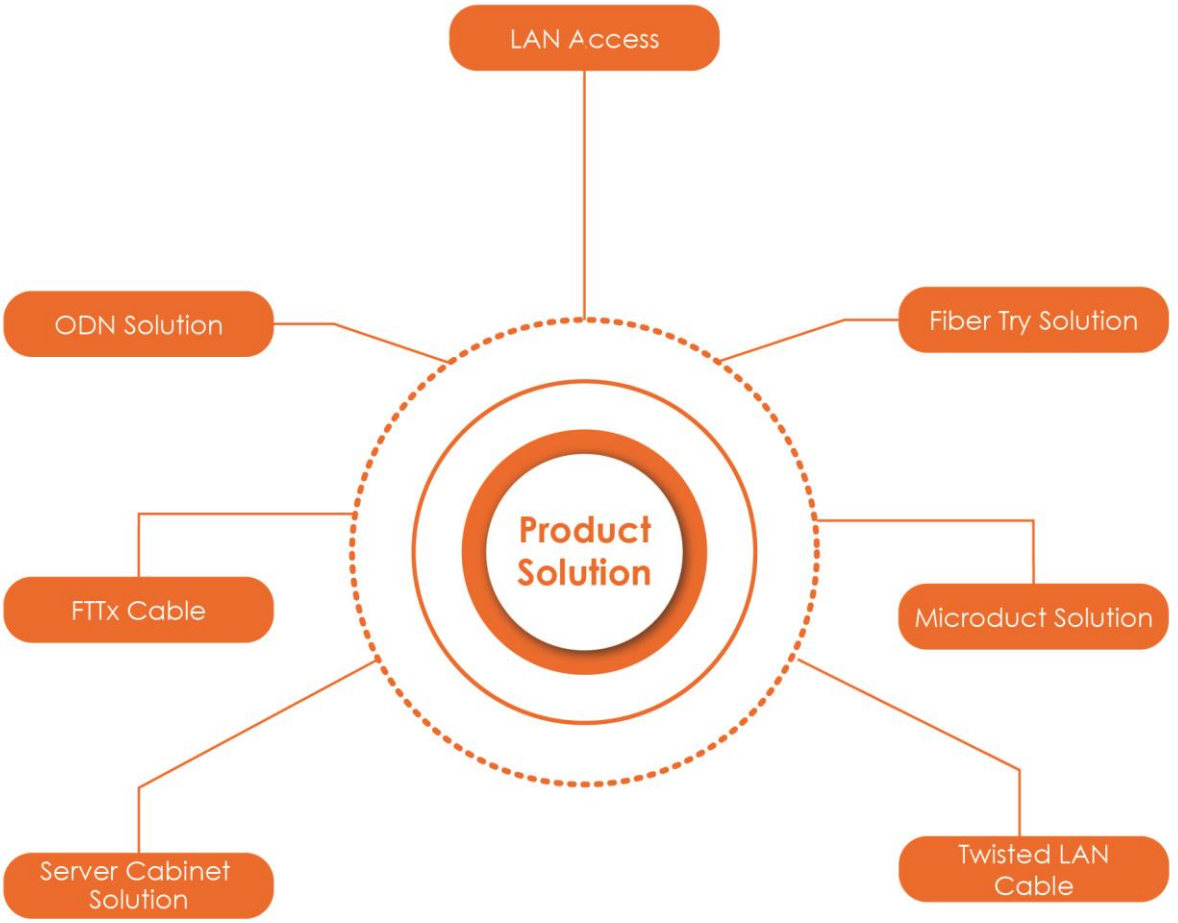
05 **DTC FLEXIBLE**

DtC akan dapat memberikan solusi produk termasuk jaringan kabel/FTTx/kabinet server/etc... dengan jaminan kualitas terbaik

06 **DTC AVAILABILITY**

Ketersediaan stok dengan dukungan fasilitas pergudangan yang besar dan profesional untuk pengiriman secara cepat.

PRODUCT SOLUTION



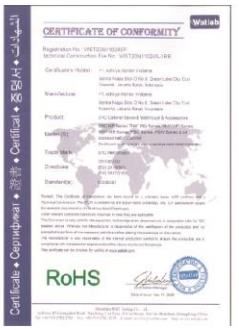
WARRANTY PROGRAM

DTC Warranty we present as a form
of our services to our,
this program also aims to ensure the quality
and performance of the products we provide.

For 25 years, you got services and solutions
that can facilitate the activity to improve your
network of technology.

So, you need not hesitate anymore
to use the product we provide.

SERTIFICATE PRODUCT QUALITY



We Appreciate Your Trust In Our Services, Because You Are Valuable For Us...

Thank you for many of valuable company (national & multinational) that been trust in DtC Solution, it's been three years of success stories in many project in Indonesia, more than 1,500,000 nodes already install by DtC Solution, some of it is office building, data center, FTTh (5000 home pass) and many more. We are very greatfull of helping our customer to achieve great growth of business by using DtC Solution for their trusted networking solution, and we expect to do more with hundred thaousand more big company in Indonesia (even world wide).

Connecting is what we do concern, we do value our customer and our partner needs in the networking business since 1994, and today we want to bring more close the better services along with the better stable solution to all of Indonesia valuable customer. With the worldwide standardization we could provide the 25 year warranty replacing for covering the customer infrastructure networking solution, we do commitment to the valuable customer to do "the never-stop development" for the product range.

Your One Stop Solution Data Networking Only at;

DTC Netconnect

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CONTENT

DtC Copper Structured Cabling

DtC Fiber Optic - FTTX Solution

DtC Server & Networking Solution

Data Center Solution

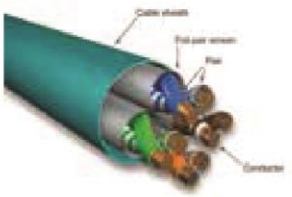
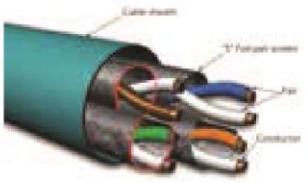
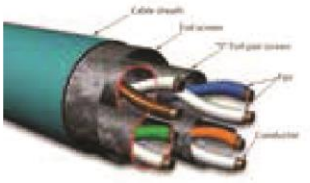
Copper Cable Types

The first letter of the acronym describes the overall screening. The second letter describes the screening of individual pairs and the "TP" word refers to the Twisted Pairs. The reason for the additional letter at the beginning of the acronym is to avoid confusion of the different types of screened cables which have been developed in the last few years.

Example : U/UTP

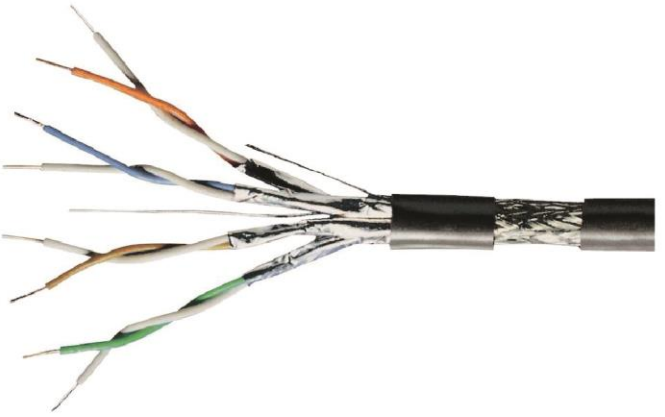
U = Describes the overall screen
/U = Describes the screening of the pairs
TP = Describes the twisted pairs

The following are the types of cable recognised in the ISO/IEC 11801 standard.

U/UTP "Unscreened outer with unscreened twisted pairs"		SF/UTP "Screened braid and foil outer with unscreened twisted pairs"	
F/UTP "Screened foil outer with unscreened twisted pairs"		S/FTP "Screened braid outer with individual screened foil twisted pairs"	
U/FTP "Unscreened outer with individual screened foil twisted pairs"		F/FTP "Screened foil outer with individual screened foil twisted pairs"	
U/FTP "Unscreened outer with two sets of two pairs foil screened in (S) configuration"		F/FTP "Screened foil outer with two sets of two pairs foil screened in (S) configuration"	

DtC Category 7A S/FTP Cable

The DtC Category 7A Screened S/FTP Cable is designed and manufactured to meet and exceed the ISO, CENELEC and TIA standards. This delivers Class FA link and channel performance supporting all applications detailed and proposed within the standards. This superior performance cable is ETL Component Verified.



40G

Each cable consists of 4 pairs individually wrapped in a covering of high quality, strong, aluminium/polyester foil tape providing an individual screen for each pair. These sub units are then cabled together, with the pairs set to different lay lengths to ensure optimum performance, an overall braid screen is applied to provide further immunity to outside noise and to mitigate any risk of alien cross talk.

CONSTRUCTION

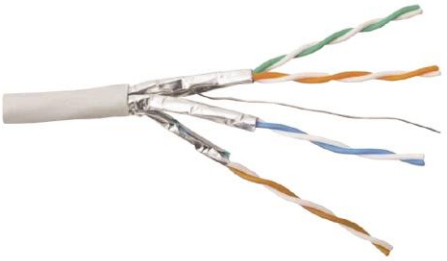
Structure	Construction	S / FTP
	Number of Pairs	4 Pairs
	AWG	23 AWG
	Conductor Dimension (mm)	0.56 ±0.01
Insulation	Frequency (Mhz)	1000
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
Shield	Individual & Material	Yes
	Outer Shield & Material	Yes
	Drain Wire	Yes
Outer Jacket	Material	PVC / LSZH
	Nominal Diameter (mm)	8.58 ± 0.3

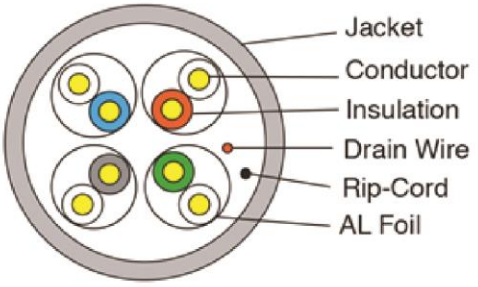
ELECTRICAL CHARACTERISTICS

Conductor resistance Max.	9.5 (Ω/100m)
Pair to ground capacitance	1600 Max.
Input Impedance	100 ± 15%
Max. Delay Skew (ns/100m)	4ns/1000M
Max Propagation Delay (ns/100m)	534 + 36 / √f
Max. DC Resistance unbalance	≤4%
Min. Insertion Loss (dB/100m)	1.8 * √f + 0.005 * f +0.25/√f
Dielectric strength	AC 1.7 KV for 2 s
Max. Pulling Tension	25lbs
Min. Bend Radius (mm)	70

Description	AWG	Unit Material	Packing Type
Cat.7A S/FTP Solid Cable	23 AWG	Reel / Drum	500m

DTC CABLE U/FTP CAT 6A SOLID





DtC Category 6A – Augmented Category 6 – cables, and associated connectors, take the performance capabilities of copper infrastructure to new levels. Designed to the current ISO, EN and TIA standards (EIA/TIA 568C.2 & ISO/IEC 11801, IEC 61156) for Class EA augmented Category 6A performance these products are intended to deliver reliable, high network performance Each cable consists of 4 unscreened twisted pairs which are formed around specifically designed X filler, manufactured from lightweight flexible polyethelene.

CONSTRUCTION

Structure	Construction	UTP / FTP
	Number of Pairs	4 Pairs
	AWG	23 AWG
	Conductor Dimension (mm)	0.57 ± 0.02
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	1.36 ± 0.05
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	No
Shield	Individual & Material	AL-Foil
	Outer Shield & Material	No
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Material	CM / CMX / CMP / CMR / LSZH
	Outer Diameter (mm)	7.3 mm ± 0.30

APPLICATION

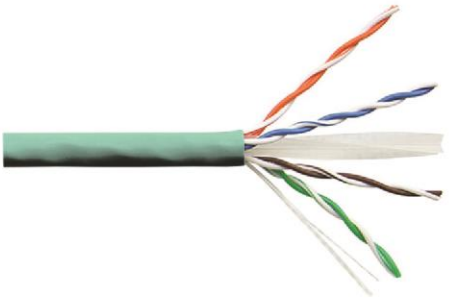
- 10 Gb Base - T
- 10 Gb Base - Tx
- 100 Base -T4
- 100 Base -TX
- 100 VG AnyLAN
- 1000 Base - T
- 1000 Base -TX
- 155 Mbps ATM
- 622 Mbps ATM

ELECTRICAL CHARACTERISTICS

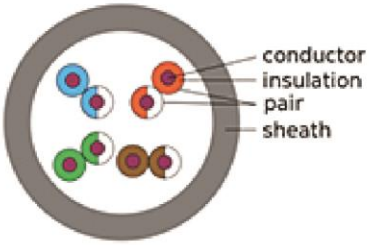
Max. M. Capasitance @kHz	≤5.6 nF 11 DOM
Max. Capacitance	≤330pF /100M
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	45ns/100M
Max Conductor DC @20 Deg	7.32Ω /100M (23AWG)
Max. DC Resistance	≤5%
Min. Insulation Resistance	5000
Operating Temp. Range	-25~75 Degree
Max. Pulling Tension	115N
Min. Bend Radius (Install)	8 x O.D.

Description	AWG	Unit Material	Packing Type
Cat.6A U/FTP Solid Cable	23 AWG	Reel / Drum	305m (1000ft)
Cat.6A U/UTP Solid Cable	23 AWG	Reel / Drum	305m (1000ft)
Cat.6A U/UTP Stranded Cable	23 AWG	Reel / Drum	305m (1000ft)

DtC Category 6A (U/UTP, U/FTP)



10G



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CONSTRUCTION

Structure	Construction	UTP / FTP
	Number of Pairs	4 Pairs
	AWG	23 AWG
	Conductor Dimension (mm)	0.585
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	1.15
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	Yes
Shield	Individual & Material	No
	Outer Shield & Material	Yes (Al Foil)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Material	PVC / LSZH
	Nominal Diameter (mm)	7.2 ± 0.3

APPLICATION

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

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ELECTRICAL CHARACTERISTICS

Max. M. Capasitance @kHz	≤5.6 nF 11 DOM
Max. Capacitance	≤330pF /100M
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	45ns/100M
Max Conductor DC @20 Deg	7.32Ω /100M (23AWG)
Max. DC Resistance	≤5%
Min. Insulation Resistance	5000
Operating Temp. Range	-25~75 Degree
Max. Pulling Tension	115N
Min. Bend Radius (Install)	8 x O.D.

Description	AWG	Unit Material	Packing Type
Cat.6A F/UTP Solid Cable	23 AWG	Reel / Drum	305m (1000ft)
Cat.6A U/UTP Solid Cable	23 AWG	Reel / Drum	305m (1000ft)
Cat.6A U/UTP Stranded Cable	23 AWG	Reel / Drum	305m (1000ft)

DtC Category 6A U/UTP & F/UTP Patch Cord

DtC Category 6A patch leads consist of 4 twisted pairs of 24AWG stranded copper wires. These pairs are then cabled together, with different lay lengths to ensure optimum performance. Staggered pin RJ45 plugs, terminate the cable, and each lead is fitted with colour coded slimline moulded boots, suitable for use in high density router or switch blades.

FEATURE & BENEFITS

- 6-50 micron RJ-45 staggered gold plated connectors
- Fitted with strain relief boots
- Suitable for 10 Gigabit, 10GBase-T, Ethernet application
- 100% Tested Wiring Sequence and Continuity
- Excellent Attenuation and Crosstalk Characteristics
- Connector with staggered pin configuration to limit cross talk
- Exceed Category 6A requirement
- They are available in a variety of the lengths (can make by customs)
- They are available in a variety of color (Blue, Red, Yellow, etc..)

Description	Unit Material	Packing Type
Cat.6A U/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.6A U/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.6A U/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.6A U/UTP Patch Cord 5m	Plastic bag	1 pc
Cat.6A U/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.6A U/UTP Patch Cord 10m	Plastic bag	1 pc
Cat.6A F/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.6A F/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.6A F/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.6A F/UTP Patch Cord 5m	Plastic bag	1 pc
Cat.6A F/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.6A F/UTP Patch Cord 10m	Plastic bag	1 pc

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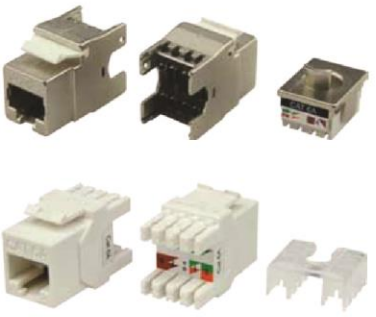
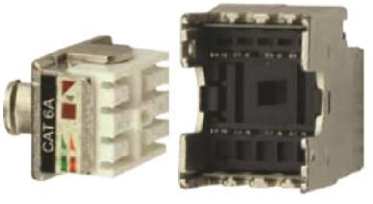
DtC Category 6A Modular Jack

DtC Category 6A Unscreened Keystone Jack, is a RJ45 Keystone Jack suitable for mounting in a range of housings from patch panels, faceplates and shutters to sub floor boxes, and work area distribution enclosures. The socket itself is housed in a high quality ABS plastic housing, which opens at the rear to reveal the IDC termination points. A choice of patch panel frames with either 24 or 48 port density in elegant black color are available.
The new style Jack provides Category 6A system performance and user-friendly installation features. A shielded is available to maximum protection from EMI/RFI interference, the compact size provides highdensity connectivity in the work area and telecommunications room.



APPLICATION

- Available in Cat6A, meet or exceed TIA/EIA Cat6A requirements
- Shielding protects against EMI/RFI interference
- Housing : high temperature thermoplastic
- Compact jack design,8 positions and 8 conductors
- Contact : phosphor bronze , phosphor bronze with 6 to 50µ"gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6 mm
- Easy to be terminated, low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors (Blue, Red, Black, etc...)



Description	Unit Material	Packing Type
Cat.6A Modular Jack Shielded	Box /Pack	25 pc
Cat.6A Modular Jack Unshielded	Box /Pack	25 pc

Strip approxialately 4 cm of the cable jacket

Cut the pair separator and rip cord (if present) as close as possible to the jacke,Note: Be careful. not to nick con-

Insert each wire into the appropriate channel according to the color code on the module.

Press the front part of shield case into the module tightly using Push tool.

Finish the installment.

DtC Category 6A Loaded Modular Jack Patch Panel

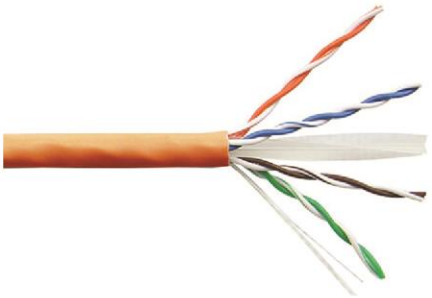
DtC Modular Jack 24 port or 48 port 1U loaded patch panel frames allow for flexible port density from 1 through to 48 ports. The panels are comppliance for Category 6A high performance and come complete with a rear management bar, which can be fitted quickly without the need for tooling or fixings.
The DtC Modular Jack patch panel frame offers flexibility either through part loading to suit the installations and manage cost, or for pre-terminated requirements, allowing terminated jacks to be snapped into place quickly and easily.

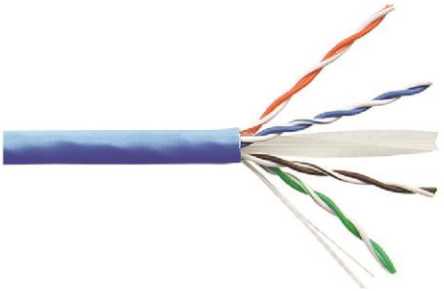
FEATURE & BENEFITS

- Design to mount to any standard 19" rack or cabinet
- 24 -port Cat 6A shielded Patch panel
- Space saving, high-density 1U
- Black Electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel . Meet or exceed the requirement of ANSI /TIA/EIA 568C.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Sturdy Aluminum Plate around RJ 45 Jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568 A. T568 B wiring pattern and meeting the requirement of Cat 6A standard
- Color Coded TIA/EIA 568A (international) and 568B (AT&T Standard) Wiring For Easy Installation
- Termination accepts 22,24 26 AWG (0.64 ,0.5 and 0.4)solid wires
- Metal sheet: Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic

Description	Unit Material	Packing Type
Cat.6A Patch Panel Unshielded 24 port	Box	1 pc
Cat.6A Patch Panel Unshielded 48 Port	Box	1 pc
Cat.6A Patch Panel Shielded 24 port	Box	1 pc
Cat.6A Patch Panel Shielded 48 port	Box	1 pc

DtC Category 6 U/UTP Cable





DtC Category 6 U/UTP cable is designed for optimal support of High-Speed data protocols delivering 1 Gbps performance to the workstation. Designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. To reduce wastage the cable sheath is numbered from 305metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box. The inclusion of a polyethylene cross filler ensures optimum cross talk performance.

CONSTRUCTION

Structure	Construction	UTP / FTP
	Number of Pairs	4 Pairs
	AWG	23 AWG
	Conductor Dimension (mm)	0.575
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	1.15
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	Yes
Shield	Individual & Material	No
	Outer Shield & Material	Yes (Al Foil)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Material	PVC / LSZH
	Nominal Diameter (mm)	7.2 ± 0.3

ELECTRICAL CHARACTERISTICS

Max. M. Capasitance @ kHz	≤5.6 nF 11 DOM
Max. Capacitance	≤330pF /100M (TIA/EIA-568C.2)
unbalance (pF/100m)	≤160pF /100M(Per IEC 61156)
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	45ns/100M
Max Conductor DC @20 Deg	≤5%(per TIA/EIA-568C.2)
unbalance	≤2%(per IEC 61156-5)
Max. DC Resistance	≤5%
Min. Insulation Resistance	5000
Operating Temp. Range	-25~75 Degree
Max. Pulling Tension	115N
Min. Bend Radius (Install)	8 x O.D.

APPLICATION

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

Description	AWG	Unit Material	Packing Type
Cat.6 F/UTP Solid Cable	23 AWG	Box	305m (1000ft)
Cat.6 U/UTP Solid Cable	23 AWG	Box	305m (1000ft)
Cat.6 U/UTP Stranded Cable	23 AWG	Box	305m (1000ft)

DtC Category 6 U/UTP & F/UTP Patch Cord

DtC Category 6 stranded conductor 4 pair U/UTP booted patch leads are manufactured from enhanced performance patch cable and RJ45 connectors. Available in a choice of colours. Category 6 solid conductor 4 pair U/UTP booted patch leads are manufactured for use as harness or equipment link cables. Solid cables provide better performance over the longer lengths that this type of application often requires, whilst solid conductors are easier and more suited to IDC termination at the distribution end of the equipment link.

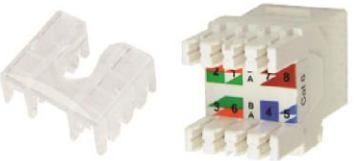
FEATURE & BENEFITS

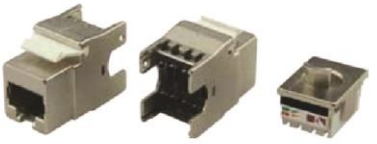
- 6-50 micron RJ-45 staggered gold plated connectors
- Fitted with strain relief boots
- With or without reports made to the order
- 100% Tested Wiring Sequence and Continuity
- Excellent Attenuation and Crosstalk Characteristics
- Connector with staggered pin configuration to limit cross talk
- Exceed Category 6 requirement
- They are available in a variety of the lengths (can be custom length by order)

Description	Unit Material	Packing Type
Cat.6 U/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.6 U/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.6 U/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.6 U/UTP Patch Cord 5m	Plastic Bag	1 pc
Cat.6 U/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.6 U/UTP Patch Cord 10m	Plastic bag	1 pc
Cat.6 F/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.6 F/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.6 F/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.6 F/UTP Patch Cord 5m	Plastic Bag	1 pc
Cat.6 F/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.6 F/UTP Patch Cord 10m	Plastic bag	1 pc

DtC Category 6 Modular Jack

This series keystone jacks work together with high speed cables, cords and panels to provide performance beyond proposed Category 6 standards, a new feature of this series jack is a universal colored wiring label that eliminates the need for separate codes for T568A/B wiring scheme.





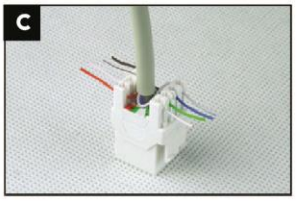
APPLICATION

- Available in Cat6, T568A/B wiring, meet or exceed TIA/EIA Cat6 requirements
- Shielding protects against EMI/RFI interference
- Housing : high temperature thermoplastic
- Compact jack design,8 positions and 8 conductors
- Contact : phosphor bronze , phosphor bronze with 6 to 50µ"gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6 mm
- Easy to be terminated, low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors (Blue, Red, Black, etc...)

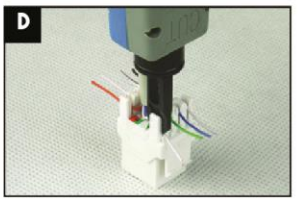
Description	Unit Material	Packing Type
Cat.6 Modular Jack Unshielded	Box /Pack	25 pc
Cat.6 Modular Jack Shielded	Box /Pack	25pc

View the color on the module to determine proper location of the conductors based upon preferred wiring scheme.

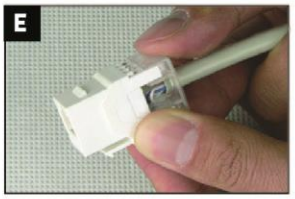
Fan out cables based on desired wiring scheme, cut the pair separator and rip cord(if present) as close as possible to the jacket. Note: Be careful not to nick conductors.



Insert each wire into the appropriate channel according to the color code on the module, keep the cable perpendicular to the block.



Terminate wires using DtC Impact tool or equivalent.



Install dust caps by snapping into place as shown. Note: The cable jacket should remain outside the dust caps as shown.

Install dust caps by snapping into place as shown.

DtC Category 6 Loaded Modular Jack Patch Panel

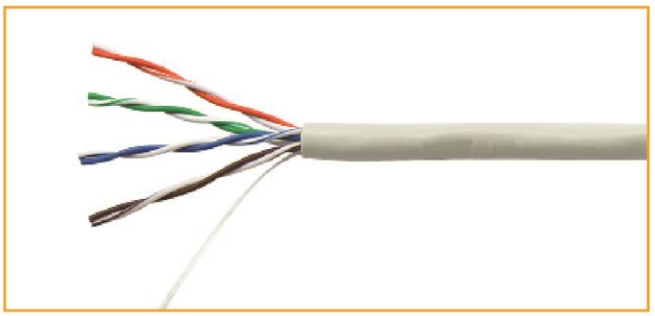
This range of panels have been designed to meet or exceed the latest ISO and TIA requirements for category 6 compliance. When installed with DtC Category 6 cables and outlets full link and channel compliance can also be achieved. Product design is based around the established Category 6 range and provide quick and easy termination using LSA compatible tooling. The shielded patch panels are loaded with shielded keystone jacks , which are housed in a closure full shielding metal enclosure designed to meet highest industry requirement.A shielded version is also available to maximum protection from EMI/RFI interference.

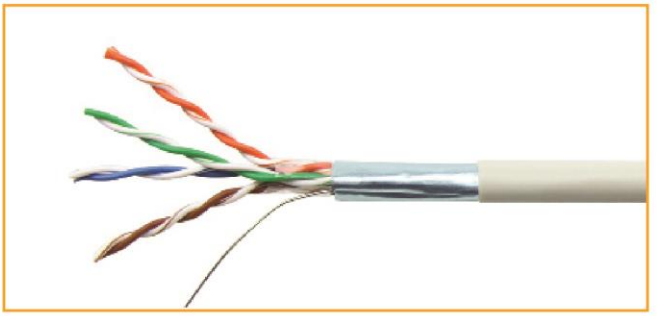
FEATURE & BENEFITS

- Design to mount to any standard 19" rack or cabinet
- 24 -port Cat 6 shielded Patch panel
- Space saving, high-density 1U
- Black Electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel . Meet or exceed the requirement of ANSI /TIA/EIA 568B.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Sturdy Aluminum Plate around RJ 45 Jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568 A. T568 B wiring pattern and meeting the requirement of Cat 6 standard
- Color Coded TIA/EIA 568A (international) and 568B (AT&T Standard) Wiring For Easy Installation
- Termination accepts 22,24 26 AWG (0.64 ,0.5 and 0.4)solid wires
- Metal sheet: Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic

Description	Unit Material	Packing Type
Cat.6 Patch Panel Shielded 48 Port	Box	1 pc
Cat.6 Patch Panel Unshielded 48 Port	Box	1 pc
Cat.6 Patch Panel Shielded 24 Port	Box	1 pc
Cat.6 Patch Panel Unshielded 24 Port	Box	1 pc

DtC Category 5e U/UTP & F/UTP Cable





DtC Category 5e Cable designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. DtC Category 5e had been certify by International laboratories (UL) and the first brand certify in Telkom Indonesia. To reduce wastage each cable is numbered from 305metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box.

CONSTRUCTION

Structure	Construction	UTP / FTP
	Number of Pairs	4 Pairs
	AWG	24 AWG
	Conductor Dimension (mm)	0.515
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	1.03
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	No
Shield	Individual & Material	No
	Outer Shield & Material	Yes (Al Foil)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Material	PVC / LSZH
	Nominal Diameter (mm)	6.2 ± 0.3

ELECTRICAL CHARACTERISTICS

Max. M. Capasitance @ kHz	≤5.6 nF / 100M
Max. Capacitance	≤330pF /100M (TIA/EIA-568B.2)
unbalance (pF/100m)	≤160pF /100M(Per IEC 61156)
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	≤45ns/100M
Max Conductor DC @20 Deg	9.38Ω /100M (24AWG)
Max. DC Resistance	≤5%(per TIA/EIA-568B.2)
Unbalance @20 Degree C	≤2%(per IEC 61156-5)
Min. Insulation Resistance	5000
Operating Temp. Range	-25~75 Degree
Max. Pulling Tension	115N
Min. Bend Radius (Install)	8 x O.D.

Description	AWG	Unit Material	Packing Type
Cat.5e F/UTP Solid Cable	24 AWG	Reel	305m (1000ft)
Cat.5e U/UTP Solid Cable	24 AWG	Reel	305m (1000ft)
Cat.5e U/UTP Stranded Cable	24 AWG	Reel	305m (1000ft)

APPLICATION

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

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DtC Category 5e U/UTP & F/UTP Patch Cord

DtC Category 5e patch cable enable you to connect all hardware destinations on a local area network , Perfect for use with 10/100 base –T networks , they comes complete RJ45 male to male Connectors and snagless molded strain relief ,the extra foil shielding protects against Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI)

FEATURE & BENEFITS

- 6-50 micron RJ-45 staggered gold plated connectors
- Fitted with strain relief boots
- With or without reports made to the order
- 100% Tested Wiring Sequence and Continuity
- Excellent Attenuation and Crosstalk Characteristics
- Connector with staggered pin configuration to limit cross talk
- Exceed Category 5E requirement
- They are available in a variety of the lengths (can be custom length by order)

Description	Unit Material	Packing Type
Cat.5e U/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.5e U/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.5e U/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.5e U/UTP Patch Cord 5m	Plastic Bag	1 pc
Cat.5e U/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.5e U/UTP Patch Cord 10m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.5e F/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 5m	Plastic Bag	1 pc
Cat.5e F/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 10m	Plastic bag	1 pc

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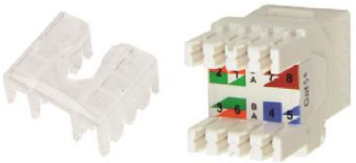
DtC Category 5e Modular

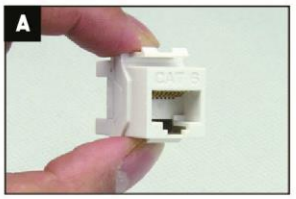


The DtC Modular jack Category 5e provide an alternative to the one piece shuttered module range. Suitable for mounting in a range of faceplates, shutters and a 1u 24 port frame*, these jacks are quick and easy to install. The new style Jack provides Category 5E system performance and user-friendly installation features. A shielded is available to maximum protection from EMI/RFI interference, the compact size provides highdensity connectivity in the work area and telecommunications room.

APPLICATION

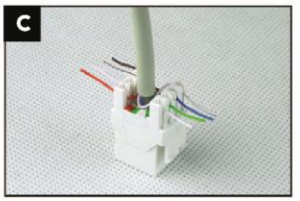
- Available in Cat5E, T568A/B wiring, meet or exceed TIA/EIA Cat5E requirements
- Shielding protects against EMI/RFI interference
- Housing : high temperature thermoplastic
- Compact jack design,8 positions and 8 conductors
- Contact : phosphor bronze , phosphor bronze with 6 to 50µ"gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6 mm
- Easy to be terminated, low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors (Blue, Red, Black, etc...)

Description	Unit Material	Packing Type
Cat.5e Modular Jack Unshielded	Box /Pack	25 pc
Cat.5e Modular Jack Shielded	Box /Pack	25 pc

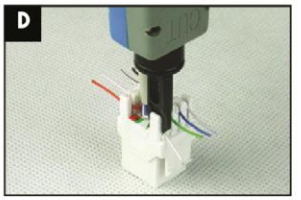


View the color on the module to determine proper location of the conductors based upon preferred wiring scheme.

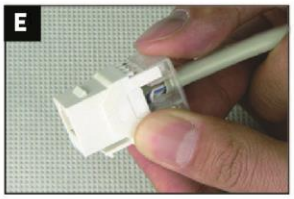
Fan out cables based on desired wiring scheme, cut the pair separator and rip cord(if present) as close as possible to the jacket. Note: Be careful not to nick conductors.



Insert each wire into the appropriate channel according to the color code on the module, keep the cable perpendicular to the block.



Terminate wires using DtC Impact tool or equivalent.



Install dust caps by snapping into place as shown. Note: The cable jacket should remain outside the dust caps as shown.

Install dust caps by snapping into place as shown.

DtC Category 6 Loaded Modular Jack Patch Panel

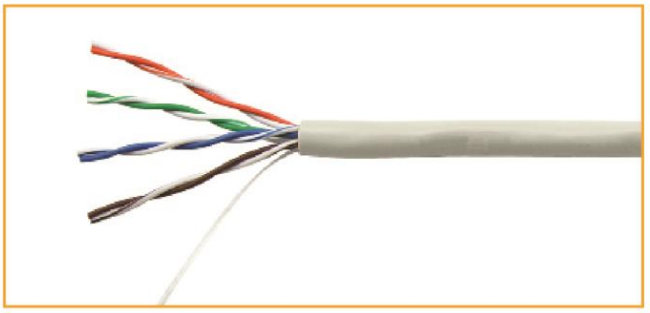
This range of panels have been designed to meet or exceed the latest ISO and TIA requirements for category 6 compliance. When installed with DtC Category 6 cables and outlets full link and channel compliance can also be achieved. Product design is based around the established Category 6 range and provide quick and easy termination using LSA compatible tooling. The shielded patch panels are loaded with shielded keystone jacks , which are housed in a closure full shielding metal enclosure designed to meet highest industry requirement.A shielded version is also available to maximum protection from EMI/RFI interference.

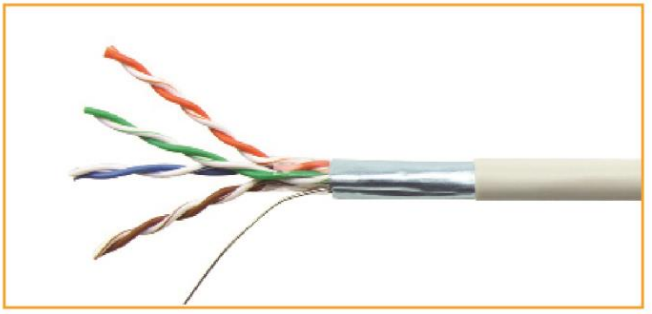
FEATURE & BENEFITS

- Design to mount to any standard 19" rack or cabinet
- 24 -port Cat 6 shielded Patch panel
- Space saving, high-density 1U
- Black Electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel . Meet or exceed the requirement of ANSI /TIA/EIA 568B.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Sturdy Aluminum Plate around RJ 45 Jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568 A. T568 B wiring pattern and meeting the requirement of Cat 6 standard
- Color Coded TIA/EIA 568A (international) and 568B (AT&T Standard) Wiring For Easy Installation
- Termination accepts 22,24 26 AWG (0.64 ,0.5 and 0.4)solid wires
- Metal sheet: Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic

Description	Unit Material	Packing Type
Cat.6 Patch Panel Shielded 48 Port	Box	1 pc
Cat.6 Patch Panel Unshielded 48 Port	Box	1 pc
Cat.6 Patch Panel Shielded 24 Port	Box	1 pc
Cat.6 Patch Panel Unshielded 24 Port	Box	1 pc

DtC Category 5e U/UTP & F/UTP Cable





DtC Category 5e Cable designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. DtC Category 5e had been certify by International laboratories (UL) and the first brand certify in Telkom Indonesia. To reduce wastage each cable is numbered from 305metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box.

CONSTRUCTION

Structure	Construction	UTP / FTP
	Number of Pairs	4 Pairs
	AWG	24 AWG
	Conductor Dimension (mm)	0.515
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	1.03
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	No
Shield	Individual & Material	No
	Outer Shield & Material	Yes (Al Foil)
	Drain Wire	Yes (Tinned Copper)
Outer Jacket	Material	PVC / LSZH
	Nominal Diameter (mm)	6.2 ± 0.3

ELECTRICAL CHARACTERISTICS

Max. M. Capasitance @ kHz	≤5.6 nF / 100M
Max. Capacitance	≤330pF /100M (TIA/EIA-568B.2)
unbalance (pF/100m)	≤160pF /100M(Per IEC 61156)
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	≤45ns/100M
Max Conductor DC @20 Deg	9.38Ω /100M (24AWG)
Max. DC Resistance	≤5%(per TIA/EIA-568B.2)
Unbalance @20 Degree C	≤2%(per IEC 61156-5)
Min. Insulation Resistance	5000
Operating Temp. Range	-25~75 Degree
Max. Pulling Tension	115N
Min. Bend Radius (Install)	8 x O.D.

APPLICATION

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

Description	AWG	Unit Material	Packing Type
Cat.5e F/UTP Solid Cable	24 AWG	Reel	305m (1000ft)
Cat.5e U/UTP Solid Cable	24 AWG	Reel	305m (1000ft)
Cat.5e U/UTP Stranded Cable	24 AWG	Reel	305m (1000ft)

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DtC Category 5e U/UTP & F/UTP Patch Cord

DtC Category 5e patch cable enable you to connect all hardware destinations on a local area network , Perfect for use with 10/100 base –T networks , they comes complete RJ45 male to male Connectors and snagless molded strain relief ,the extra foil shielding protects against Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI)

FEATURE & BENEFITS

- 6-50 micron RJ-45 staggered gold plated connectors
- Fitted with strain relief boots
- With or without reports made to the order
- 100% Tested Wiring Sequence and Continuity
- Excellent Attenuation and Crosstalk Characteristics
- Connector with staggered pin configuration to limit cross talk
- Exceed Category 5E requirement
- They are available in a variety of the lengths (can be custom length by order)

Description	Unit Material	Packing Type
Cat.5e U/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.5e U/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.5e U/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.5e U/UTP Patch Cord 5m	Plastic Bag	1 pc
Cat.5e U/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.5e U/UTP Patch Cord 10m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 1m	Plastic Bag	1 pc
Cat.5e F/UTP Patch Cord 2m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 3m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 5m	Plastic Bag	1 pc
Cat.5e F/UTP Patch Cord 7m	Plastic bag	1 pc
Cat.5e F/UTP Patch Cord 10m	Plastic bag	1 pc

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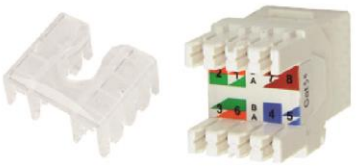
DtC Category 5e Modular

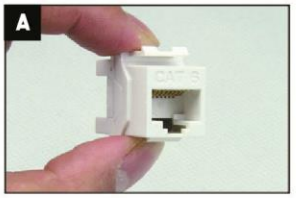


The DtC Modular jack Category 5e provide an alternative to the one piece shuttered module range. Suitable for mounting in a range of faceplates, shutters and a 1u 24 port frame*, these jacks are quick and easy to install. The new style Jack provides Category 5E system performance and user-friendly installation features. A shielded is available to maximum protection from EMI/RFI interference, the compact size provides highdensity connectivity in the work area and telecommunications room.

APPLICATION

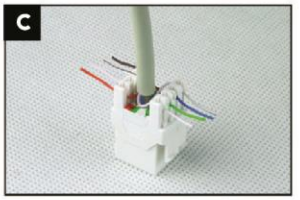
- Available in Cat5E, T568A/B wiring, meet or exceed TIA/EIA Cat5E requirements
- Shielding protects against EMI/RFI interference
- Housing : high temperature thermoplastic
- Compact jack design,8 positions and 8 conductors
- Contact : phosphor bronze , phosphor bronze with 6 to 50µ"gold plate
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6 mm
- Easy to be terminated, low attenuation loss and high return loss
- High reliability and superior performance
- Available in different colors (Blue, Red, Black, etc...)

Description	Unit Material	Packing Type
Cat.5e Modular Jack Unshielded	Box /Pack	25 pc
Cat.5e Modular Jack Shielded	Box /Pack	25 pc

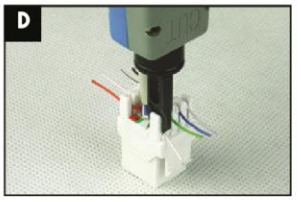


View the color on the module to determine proper location of the conductors based upon preferred wiring scheme.

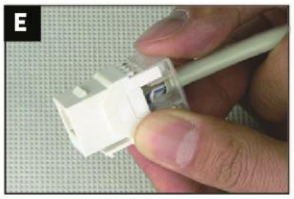
Fan out cables based on desired wiring scheme, cut the pair separator and rip cord(if present) as close as possible to the jacket. Note: Be careful not to nick conductors.



Insert each wire into the appropriate channel according to the color code on the module, keep the cable perpendicular to the block.



Terminate wires using DtC Impact tool or equivalent.



Install dust caps by snapping into place as shown. Note: The cable jacket should remain outside the dust caps as shown.

Install dust caps by snapping into place as shown.

DtC Category 5e Loaded Modular Jack Patch Panel

DtC Category 5e patch panels comply with the EIA TIA Standard for enhanced Category 5 and are available in a choice of port density. Each panel offers a choice of labelling with the option to use the screen printed fields on the panel facia or the slide label system which is enclosed with each panel. The shielded patch panels are loaded with shielded keystone jacks , which are housed in a closure full shielding metal enclosure designed to meet highest industry requirement.A shielded version is also available to maximum protection from EMI/RFI interference.

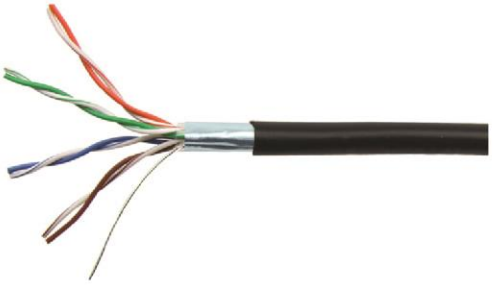
FEATURE & BENEFITS

- Design to mount to any standard 19" rack or cabinet
- 24 -port Cat 5E shielded Patch panel
- Space saving, high-density 1U
- Black Electrostatic Powder-Coated Steel: phosphor bronze with tin plating over nickel . Meet or exceed the requirement of ANSI /TIA/EIA 568B.2
- Use keystone jacks and keystone inserts to configure your panel to accommodate a variety of schemes
- Sturdy Aluminum Plate around RJ 45 Jacks
- Phosphor bronze with 6-50 micro inches gold plated
- Available with T568 A. T568 B wiring pattern and meeting the requirement of Cat 5E standard
- Color Coded TIA/EIA 568A (international) and 568B (AT&T Standard) Wiring For Easy Installation
- Termination accepts 22,24 26 AWG (0.64 ,0.5 and 0.4)solid wires
- Metal sheet: Corrosion resistant steel
- Plastic: fire self -extinguish high impact plastic

Description	Unit Material	Packing Type
Cat.5e Patch Panel Shielded 48 Port	Box	1 pc
Cat.5e Patch Panel Unshielded 48 Port	Box	1 pc
Cat.5e Patch Panel Shielded 24 Port	Box	1 pc
Cat.5e Patch Panel Unshielded 24 Port	Box	1 pc

DtC F/UTP Cat 6 Outdoor Cable

DtC solid conductor 4 pair F/UTP cable with a black polyethylene outer sheath, for outdoor use. This type cable available for Category 5e and Category 6. Designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. To reduce wastage the cable sheath is numbered from 305metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box.



CONSTRUCTION

Structure	Construction	Shielded Twisted Pair (FTP)
	Number of Pairs	4 Pairs
	AWG	23 AWG
	Conductor Dimension (mm)	0.570 ± 0.01 mm
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	1.1 ± 0.008 mm
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	Yes
Shield	Individual & Material	No
	Outer Shield & Material	Yes (0.06 mm Al Foil)
	Drain Wire	Yes (0.4 mm tinned copper)
Outer Jacket	Material	HDPE
	Nominal Diameter (mm)	7.7 ± 0.5 mm

ELECTRICAL CHARACTERISTICS

Max. M. Capasitance @ kHz	≤ 5.6 nF / 100 m
Max. Capacitance	≤ 330 pF / 100 m (TIA/EIA-568-B&C)
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	45 ns / 100 m
Max Conductor DC @20˚C	9.5 Ω / 100 m (23 AWG)
Max. DC Resistance	≤ 5%
Operating Temp. Range	(-40˚C) to 70˚C
Max. Pulling Tension	110 Newton
Min. Bend Radius (Install)	4 x outer diameter (50 mm max.)

APPLICATION

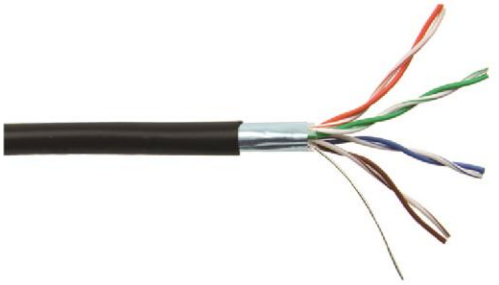
- 100 Base-T4
- 100 Base-TX
- 100 VG-AnyLAN
- 155 Mbps ATM
- 622 Mbps ATM

Description	AWG	Unit Material	Packing Type
Cat. 6 F/UTP Solid Outdoor Cable	23 AWG	Reel	305m (1000ft)

DTC Netconnect
PT Adhitya Mandiri Pratama - Since 1993
www.dtcnetconnect.com

DtC F/UTP Cat 5e Outdoor Cable

DtC solid conductor 4 pair F/UTP cable with a black polyethylene outer sheath, for outdoor use. This type cable available for Category 5e, Category 6, and Category 6A. Designed to be quick and easy to install the cable requires no specialist installation tools and is supplied in reelex packaging for fast, snag free installation. To reduce wastage the cable sheath is numbered from 305metre to 1 metre, allowing quick and easy calculation of the cable remaining in the box.



CONSTRUCTION

Structure	Construction	Shielded Twisted Pair (FTP)
	Number of Pairs	4 Pairs
	AWG	24 AWG
	Conductor Dimension (mm)	0.510 mm
Insulation	Insulation Material	HDPE
	Insulation DImension (mm)	0.88 mm
	Number Color	White/Blue & Blue
	(Ring / Strip marking)	White/Orange & Orange
		White/Green & Green
		White/Brown & Brown
	Cross Filler	No
Shield	Individual & Material	No
	Outer Shield & Material	No
	Drain Wire	No
Outer Jacket	Material	HDPE
	Nominal Diameter (mm)	5.0 mm

ELECTRICAL CHARACTERISTICS

Max. M. Capasitance @ kHz	≤ 5.6 nF / 100 m
Max. Capacitance	≤ 330 pF / 100 m (TIA/EIA-568-B.2)
Velocity of Propagation	65%
Max. Delay Skew (ns/100m)	45 ns / 100 m
Max Conductor DC @20˚C	7.32 Ω / 100 m (24 AWG)
Max. DC Resistance	≤ 5%
Operating Temp. Range	-20˚C to 70˚C
Max. Pulling Tension	110 Newton
Min. Bend Radius (Install)	4 x outer diameter

APPLICATION

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

Description	AWG	Unit Material	Packing Type
Cat.5e F/UTP Solid Outdoor Cable	24 AWG	Reel	305m (1000ft)

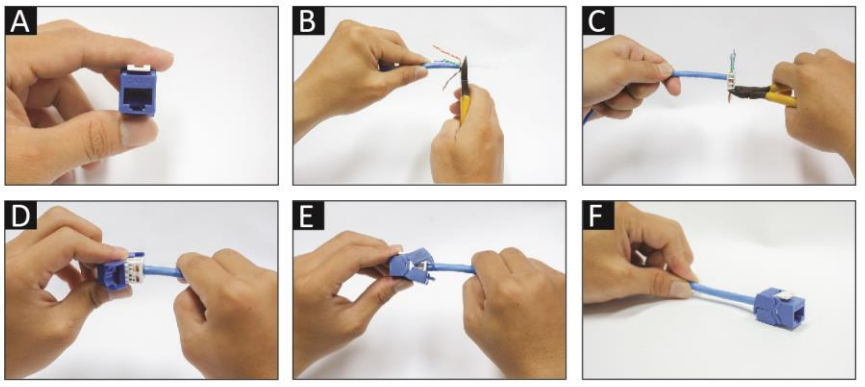
DtC Modular Jack Tooless

The DtC Unscreened Modular Jack Tooless, is a reduced size toolless termination RJ45 socket. This per mits many mounting options including flush shutters at the outlet as well as more common angled shut ter used with keystone jacks. A choice of compatible Patch Panel frames with either 24 or 48 port density in many color option are available for this Low Profile Jack.
The socket itself is housed in a high quality fire retardant plastic cast housing, which opens at the rear in a butterfly manner to reveal the IDC termination points. Once the pairs are arranged in the cable manage ment cap and trimmed it is a simple case of closing the 'butterfly' together to complete the termination.

CONSTRUCTION

Construction	Parameter
Contact Resistance Max.	100mΩ
Insulation Resistance Min.	500MΩ
Return Loss dB	5.2dB
Next dB	4.8dB

Description	Unit Material	Packing Type
Cat.5e Modular Jack Tooless Unshielded	Polybag	50 pc
Cat.6 Modular Jack Tooless Unshielded	Polybag	50 pc
Cat.6A Modular Jack Tooless Unshielded	Polybag	50 pc



DtC Connector RJ45 Shielded & Unshielded

We offer Hi Performa modular plugs in standard configuration terminate modular cords for patching or Work area application , modular plugs can be terminated to the exact cable length in order to Maintain a nearer, more organized installment , the plugs terminate twist pair cable with 26-22 AWG solid all plugs contracts have 50 micron inches of gold plating over nickel.

APPLICATION

- 6-50 micron RJ-45 staggered gold plated connectors
- Fitted with strain relief boots
- Meet or exceed the requirement in the Cat 5e, Cat.6, & cAT.6A T568 A/B and T568 C.2 (Telecommunication requirement)
- 100% Tested Wiring Sequence and Continuity
- Excellent Attenuation and Crosstalk Characteristics
- Connector with staggered pin configuration to limit cross talk
- Contacts are nickel plated, phosphor bronze with 6 to 50u" gold plate

Tooless modular plug are the ideal solution of creating custom lengths of modular network cables. The modular plugs are manufactured from highimpact clear polycarbonate to withstand everyday wear and tear. You can except error-free data transfers.

APPLICATION

- Meeting the ANSI/TIA-568-C.2, ISO/IEC11801 and EN50173-1 specification.
- Compliance with Category 5e/6 patch cord testing performance requirements.
- Connector can accept 24-26 AWG solid and stranded UTP cables.
- Terminate patch cord without tools.
- Support T568A&B wiring & easy installation.

Description	Unit Material	Packing Type
Connector RJ45 Unshielded	Plastic Bag	100 pc
Connector RJ45 Shielded	Plastic Bag	100 pc
Connector RJ45 Tooless Unshielded	Plastic Bag	1 pc

DtC Copper Supporting Accessories

The RJ45 plug boots design incorporates a latch guard to protect the plug latch from snagging when pulling cords through pathways or cable managers.

SPESIFICATION

- Connector outter diameter 6.0-7.0 mm
- RJ45 Snagless boot cover is easy to install
- Protect the plug clip when cables are pulled throught bundles
- Shielded Protection for low electrical noise
- Perfect solution for preventing your realese tabs from snapping off
- Transparant Colour
- High Quality Plastic

Description	Unit Material	Packing Type
Plug Boot Cat5.e	Plastic Bag	100 pc
Plug Boot Cat6	Plastic Bag	100 pc

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DtC Mounting Hardware - Faceplate

The wall plate is made from high-impact ASX plastic, making for years of durable use. Each delivers high speed of for all your highspeed applications to the desktop. Perfectly blends into the decor of your home or office ,Protects and hides your network connections, Accepts all keystone inserts. Standard 110 type IDC termination makes installation fast and easy.

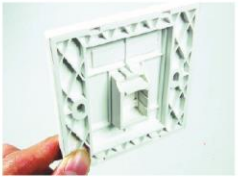
APPLICATION

- One or Two ports faceplate
- 45° angle design can prevent dust effectively
- Designed for for Cat 5e or Cat 6 performance and meet EIA/TIA specifications
- Fit for RJ45 keystone jack outlet plates
- Packing includes two mounting screws for Installation
- Material: PC or ABS
- Color: white

The wall plate is made from high-impact ABS plastic, making for years of durable use. Each delivers high speed of for all your highspeed applications to the desktop. Perfectly blends into the decor of your home or office ,Protects and hides your network connections, Accepts all keystone inserts. Standard 110 type IDC termination makes installation fast and easy.

APPLICATION

- One .two , four and six ports
- Designed for for Cat 5e or Cat 6 / 6A performance and meet EIA/TIA specifications
- Fit for RJ45 keystone jack outlet plates
- Packing includes two mounting screws for Installation
- Material: PC or ABS
- Color: white



Description	Unit Material	Packing Type
Faceplate British One Port	Pack	1 pc
Faceplate British Two Port	Pack	1 pc
Faceplate British One Port Angle	Pack	1 pc
Faceplate British Two Port Angle	Pack	1 pc

DtC Modular Patch Panel Unloaded

This range of panels have been designed to meet or exceed the latest ISO and TIA requirements for category 5e / 6 / 6A compliance. When installed with DtC cables and modular full link and channel compliance can also be achieved. All of the unloaded patch panel is designed to be suitable for all categories solution either shielded and unshielded type, also include cable management bar for easy maintain the cable termination and documenta tion.

APPLICATION

- Design to mount to any standard 19" rack or cabinet
- Space saving, high-density 1U
- Sturdy Aluminum Plate around RJ 45 Jacks
- Termination accepts 22,24 26 AWG (0.64 ,0.5 and 0.4)solid wires
- Metal sheet: Corrosion resistant steel

DtC 24 Port 1U Modular V Patch Panel allows standard keystone jacks to be presented in an angled patch panel configuration. The patch panel is designed to accept all of the DtC unscreened and screened standard modular jacks from the Category 5e, 6 & 6A portfolios. This panel includes a rear cable manager to allow the cable to be dressed into the panel neatly and securely. The V shape of the panel presents the jacks at an angle to the front of the cabinet that reduces the strain on the jack that results from the patch lead. The patch lead is naturally routed to the cabinet/frame cable management reducing the requirement for rack mounted cable management bars. Earth bonding leads are supplied fitted to enable grounding if required.

Description	Unit Material	Packing Type
Discrete Patch Panel 24port	Box	1 pc
Discrete Patch Panel 48port	Box	1 pc
Angle Discrete Patch Panel 24port	Box	1 pc

DtC Cable Management Support

APPLICATION

- Feature: Standard EIA 19" rack and Cabinet mount
- Management improves the look of a closet or workstation , it is an essential element For easy adds , moves or changes , it is also crucial to maintaining cable integrity by Ensuring resisted steel and ABS
- Light weight ,easy to install or removal
- Custom-made cable management is acceptable

The horizontal cable management can be used with all patch panels, rack and cabinet mount products. It mounts on standard 19" racks or cabinets and provided a clean, beautiful and simple means of organizing from small to large bundles of cables and patch cord.

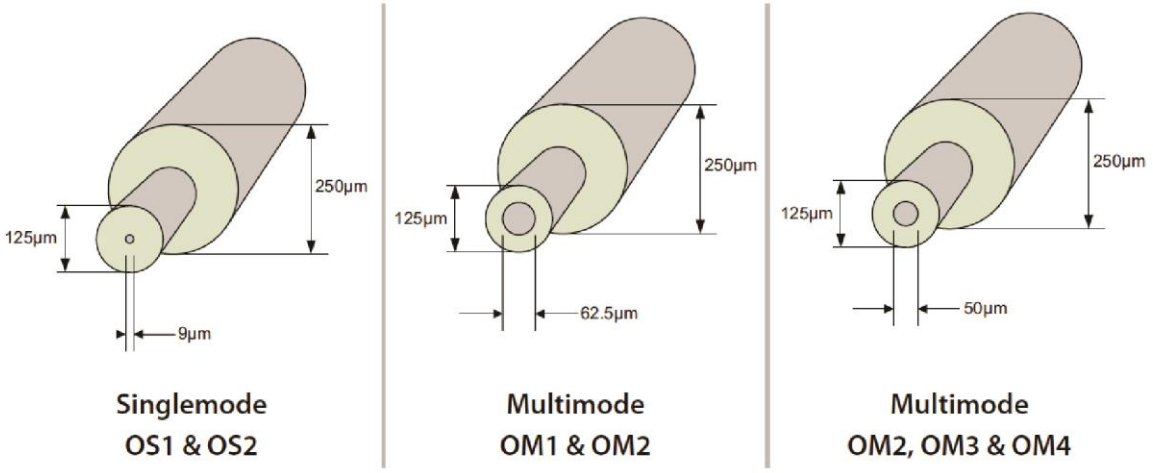
To improve cabinet appearance Blank Plates can be installed to cover unused space. Letterbox Panels allow patch cords to be fed to or from the rear of the cabinet.

The brush panel for easy cable management and improving neatness in the cabinet especially in cable flow, this can prevent any disorderly look of cable arrangement in front of the cabinet.

DtC giving solution also for the cable management vertical in the cabinet structure, this for giving flow in cabling to the server/network cabinet, capacity can be adjustable and the product already design to give high protection to the cable.

Fiber Optic Cable Families

Fibre optic cabling can be split into two families – Multimode and Singlemode. 'Mode' means path, so the light travels down multi and single paths respectively. Multimode can use the less expensive LED and VCSEL light sources to transmit the signal. This is referred to as 'overfilled' as the source is broad and floods the modes (and some of the cladding, hence overfilled). The core is manufactured with a graded index. This means that the central light path is 'slower' than the outer paths, which drastically reduces modal dispersion which is one of the limiting factors for the performance of multimode. Singlemode requires a laser to transmit the signal along a single path. Lasers offer a high powered signal that can be transmitted for greater distances. However, the active equipment is a higher price than that of multimode.



Singlemode
OS1 & OS2

Multimode
OM1 & OM2

Multimode
OM2, OM3 & OM4

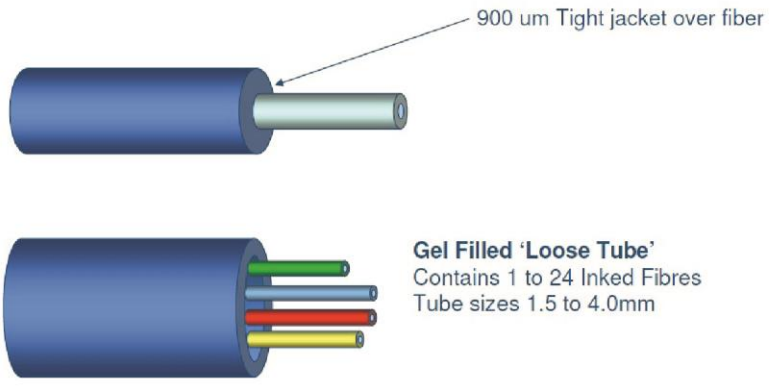
Fibre optic cabling can be split into two type jacketing:

> First is Tight Buffer Type

this type mean that the jacketing method is tightly wrap the fiber optic, this model usually use for indoor distribution method because the protection is not too much and this model can be more elastic.

> Second is Loose Tube

this type mean that the jacketing consist of "Gel Filled", this method can be give more protection to the fiber core, and usually this model use for ourdoor / external grade of cable, because for ourdoor we need maximum protection to the fiber core and this for long term purpose.



Gel Filled 'Loose Tube'
Contains 1 to 24 Inked Fibres
Tube sizes 1.5 to 4.0mm

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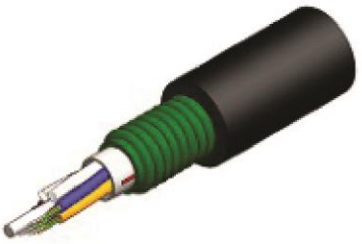
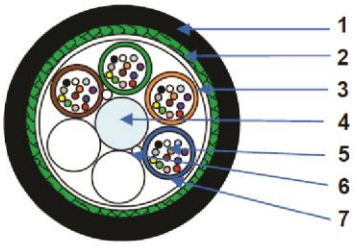
DtC Fiber Optic Outdoor Duct & Direct Buried Cable



Outdoor Fiber optic Duct-Cable, use stregth member (steel), jelly filled, fiber contained loose tube with water blocking jelly, PE sheath feature perfect UV resistant performance and environmental stress cracking resistance. The loose tube material it self has perfect hydrolysis resistance and high strength. Suggested to be use with extra HDPE duct protection.

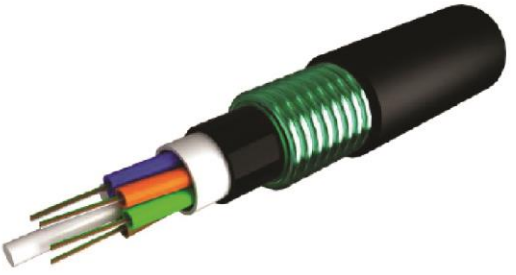


FEATURES

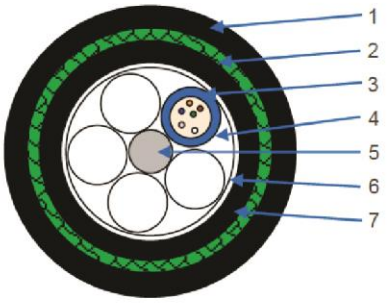
- Waterproof performance of optical cable is ensured by following measures: single piece of steel wire center reinforcement
- special waterproof compound filled inside the loose tube 100% filled cable core
- The loose tube material itself has perfect hydrolysis resistance and high strength. The special filling paste inside the loose tube is used to protect the optical fiber
- perfect waterproof material could prevent optical cable from longitudinal water penetration

Construction:

1. Outer sheath(PE)
2. Armor tape(steel tape)
3. Water blocking tape
4. Center strength member(FRP)
5. Fiber and jelly
6. Water blocking yarn
7. Loose tube



Outdoor Fiber optic Direct Buried-Cable, use stregth member (steel), jelly filled, fiber contained loose tube with water blocking jelly, PE sheath feature perfect UV resistant performance and environmental stress cracking resistance. The loose tube material it self has perfect hydrolysis resistance and high strength. This type of cable allowed to be direct install without require any extra HDPE Duct pipe for protection.



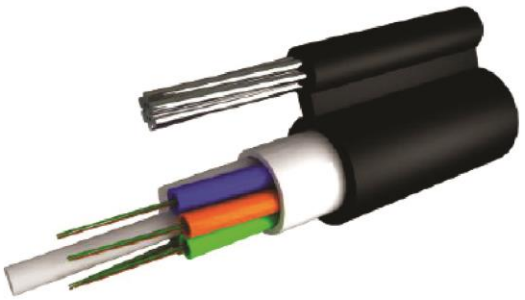
FEATURES

- The unique extruding technology provides the fibers in the tube with good flexibility and bending endurance
- The unique fiber excess length control method provides the cable with excellent mechanical and environmental properties
- Multiple water blocking material filling provides dual water blocking function
- Provides good crush resistance

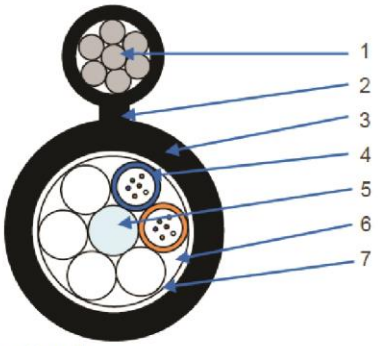
Construction :

1. Outer sheath(PE)
2. Corrugated steel tape
3. Loose tube, Fiber and jelly
4. Cable jelly
5. CSM (steel wire)
6. Polyester tape
7. Inner sheath(PE)

DtC Fiber Optic Aerial & ADSS Cable



Outdoor Fiber optic Aerial Figure8-Cable, use stregth member (steel), jelly filled, fiber contained loose tube with water blocking jelly, PE sheath feature perfect UV resistant performance and environmental stress cracking resistance. The loose tube material it self has perfect hydrolysis resistance and high strength. This type of cable designed for post hanging outdoor purpose, the steel wire messenger giving great strength to the cable hanging process, and the cable it self designed to be more light with highly protection in harsh environment.



Construction :

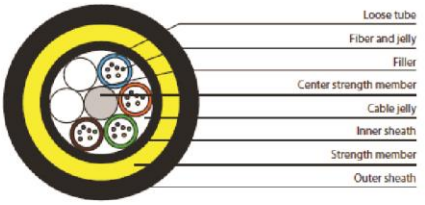
1. Messenger wire (Galvanized steel wire)
2. Neck
3. Outer sheath(PE)
4. Loose tube, Fiber and jelly
5. CSM(FRP)
6. Cable jelly
7. Water blocking tape

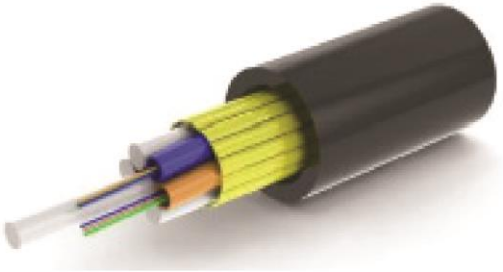
FEATURES

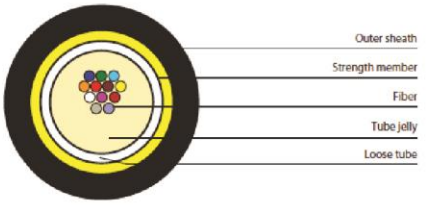
- Outdoor post hanging distribution cable
- Use in outdoor cabling, especially used as backbone cable for open area that unsuitable for buried method
- Good mechanical and environmental properties
- the mechanical characteristics meet the requirements of relevant standards
- Suitable for construction operation and convinent for maintenance
- Supporting hanging structure part available

- ADSS are mainly installed at existing 220kV or lower voltage power lines
- Central or Layer tube design
- Aramid yarn is used as the strength member to assure the tensile and strain performance
- Outer sheath can be classified into HDPE & PE and tracking resistance PE to correspond the space potential below and more than 12kV
- Maximum fiber count is 312 core one cable
- Maximum span can be up to 1500m
- Temperature range -40 deg C to +70 deg C

The optical fiber is made of high pure silica and germanium doped silica. UV curable acrylate material is applied over fiber cladding as optical fiber primary protective coating.







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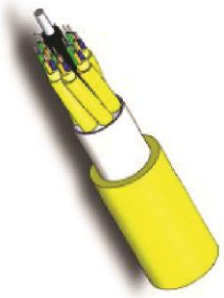
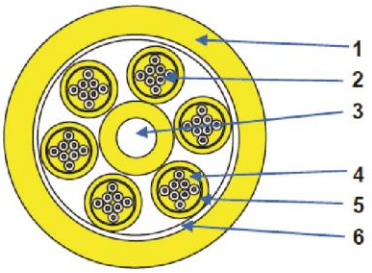
DtC Fiber Optic Indoor Distribution & Drop Cable





Construction:

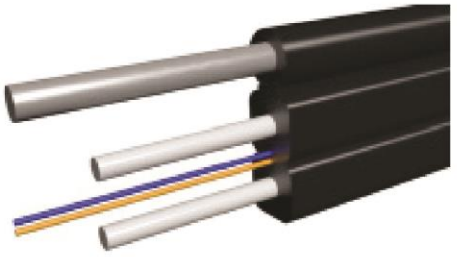
1. Outer sheath(PVC)
2. Tight buffer fiber (PVC)
3. Center strength member(FRP)
4. Strength member(aramid yarns)
5. Fiber unit (PVC)
6. Wrap tape

PE Insulated, PVC/LSZH Shealted, indoor digital cable used to transmit digital and analog signal between telecommunication socket of building. Buffer fiber wraped by kevlar yarn, it is ideal indoor cabling and interconnect between equipments.

FEATURES

- Building to building interconnection, indoor distribution
- Use in indoor cabling, especially used as distribution cable
- Good mechanical and environmental properties
- the mechanical characteristics meet the requirements of relevant standards
- Suitable for construction operation and convinent for maintenance

Fiber optic Drop-Cable, use stregth member (steel), PE sheath feature perfect UV resistant performance and environmental stress cracking resistance. This type of cable designed for ftth purpose, the steel wire messenger giving great protection to the cable core also for easy installation process.



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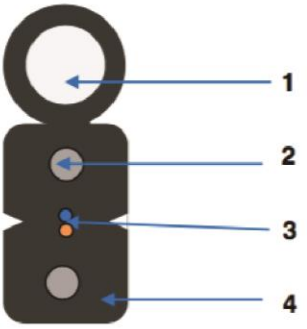
FEATURES

- External/Internal use available
- For FTTH distribution cable to the user home pass
- Easy installation and better maintenance
- Low weight and easy to joint
- Flame retardant FR-PE sheath



Construction :

1. Messenger wire (Galvanized steel wire)
2. Strength member(FRP)
3. Optical fiber
4. Outer sheath (LSZH)

Description	Unit	Packing Type
Fiber Cable G652D/ OM2/ OM3/ OM4 Indoor Distribution 6/12/24/48 core	meter	Reel Drum
Fiber Cable G652D/ OM2/ OM3/ OM4 Outdoor Duct Cable 6/12/24/48/96/144/288 core	meter	Reel Drum
Fiber Cable G652D/ OM2/ OM3/ OM4 Outdoor Direct Buried Cable 6/12/24/48/96/144/288 core	meter	Reel Drum
Fiber Cable G657A.2 LSZH Drop Cable 1/ 2/ 4 core	meter	Reel Drum
Fiber Cable Singlemode Aerial Figure-8 Cable 6/12/24/48 core	meter	Reel Drum

DtC Fiber Optic Core Technical Spesification

Characteristics OS2 Singlemode G.652D	
Mode field diameter @1310 nm	9.2 ± 0.4 µm
Mode field diameter @1550 nm	10.4 ± 0.8 µm
Clad Diameter	125 ± 1.0 µm
Coating Diameter	245 ± 10 µm
Attenuation at 1310 nm	≤ 0.34 dB/km
Attenuation at 1385 nm	≤ 0.34 dB/km
Attenuation at 1550 nm	≤ 0.20 dB/km
Attenuation at 1625 nm	≤ 0.23 dB/km
Zero Dispersion Wafelength	1300 – 1324 nm
Zero Dispersion SLope	≤ 0.092 ps/nm2-km
Macrobending loss @1550 nm	≤ 0.05 dB
Macrobending loss @1625 nm	≤ 0.10 dB
Cut-off Wafelength	≤ 1260 nm
Point Discontinuity	≤ 0.05 dB
Core / Clad Concentricity	≤ 0.6 µm
Coating / Cladding Concentricity	≤ 12 µm
Proof Test	0.69 Gpa
Fatigue Resistance Parameter (Nd)	20
Peak Coating Strip Force	1.3 - 8.9 N

Characteristics OM2 / OM3 / OM4 Multimode		
Core Diameter	50 ± 2.5 µm	
Clad Diameter	124.8 ± 1.0 µm	
Coating Diameter	245 ± 7 µm	
Attenuation at 850 nm	≤ 2.3 dB/km	
Attenuation at 1300 nm	≤ 0.6 dB/km	
Zero Dispersion Wafe length	1295 – 1320 nm	
Zero Dispersion Slope @1295-1300 nm	≤ 0.001 ps/nm2-km	
Zero Dispersion Slope @1300-1320 nm	≤ 0.11 ps/nm2-km	
Transmission Characteristics		
	OM3	**OM4**
OFL Bandwith @850 nm	1500 MHz.km	3500 MHz.km
OFL Bandwith @1300 nm	500 MHz.km	500 MHz.km
Effective Modal Bandwith @850 nm	2000 MHz.km	4700 MHz.km
Effective Modal Bandwith @1300 nm	500 MHz.km	500 MHz.km
Effective Modal Bandwith, per TIA/EIA-492AAAC (OM3), TIA/EIA-492AAAD (OM4) and IEC 60793-2-10		
Application Support		
	OM3	**OM4**
10 Gigabit SX @850 nm	300 meter	550 meter
1 Gigabit SX @850 nm	1000 meter	1000 meter
1 Gigabit SX @1300 nm	600 meter	600 meter

DtC Fiber Termination Box - Rackmount 19inch

DESCRIPTION

DtC OTB Rackmount for Fiber easy for assembling and maintenance, casiing material use steel plate (anti corrosive) and finishing using powder coating, item already include pigtail ready for splicing, splice tray, adaptor SC/LC/FC and splice protector.

CHARACTERISTICS

- The body made of cold-rolled steel, powder static spray.
- The optic fiber cable entering into this box from the back.
- Have a reliable cable fixing and grounding protection device.
- 19 inches rack installation.
- Drawer type, easy to splice and distribute cables.

Description	Unit Material	Packing Type
OTB Drawer 12core SC Adaptor	box	1 unit
OTB Drawer 24core SC Adaptor	box	1 unit
OTB Drawer 48core SC Adaptor	box	1 unit
OTB Drawer 72core SC Adaptor	box	1 unit
OTB Drawer 96core SC Adaptor	box	1 unit
OTB Drawer144core FC Adaptor	box	1 unit

DtC Optical Distribution Cabinet

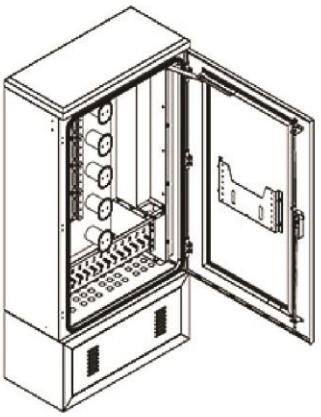
DtC ODC cabinet is for connect and distribute trunk fiber cable and distribution fiber cable to the home pass through the ODP cabinet distribution. ODC can be design use for indoor but mostly is using outdoor termination purpose, and the capacity can be custom by project needs.

CHARACTERISTICS

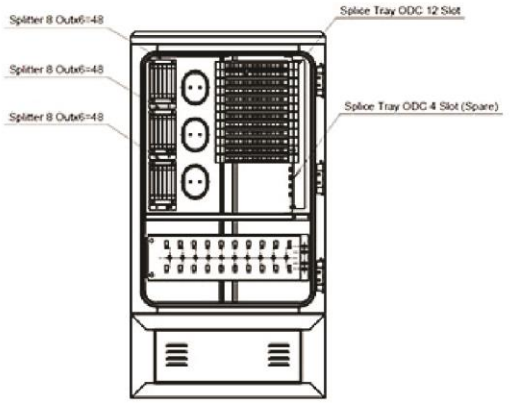
- Corrosion and aging proof, withstanding dramatic cli mate change and rough conditions
- Good anti-wild enfironment performance
- Good sealing property, can meet the IP65
- Use pickproof lock, good safety and effective anti-sabo tage
- Effective grounding wire fixing and protecting facilities

SPECIFICATION

- Fiber connector insertion attenuation ≤0.3dB (include interchangeablility and repeateability)
- Longevity:>15 years
- Voltage Proof: 3000VDC
- Temperature -40 deg C to +60 deg C, 70kpa to 106kpa



Description	Unit Material	Packing Type
ODC Outdoor 48core	box	1 unit
ODC Outdoor 144core	box	1 unit
ODC Outdoor 288core	box	1 unit
ODC Outdoor 576core	box	1 unit



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DtC Optical Distribution Point - Pedestal / Floor Mount

DtC ODP cabinet is for splicing, distributing and splitting the fiber to each home pass for FTTH project, this field install is design for ourdoor open field use, can be design for wall-mount use also.

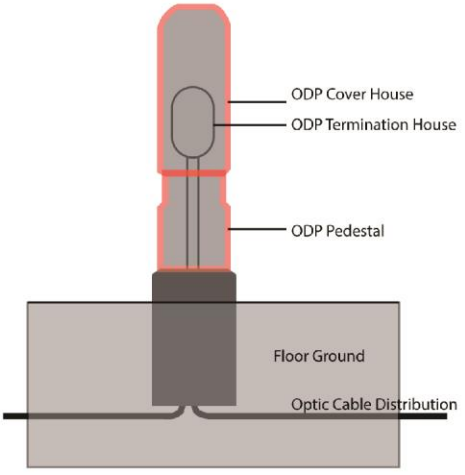
CHARACTERISTICS

- ► Available for wall mounting and field open installation
- ► Compact structure and good dustproof property
- ► Compatibility for most of splitter, and has enough room for retaining patch cord and pigtail

FEATURES

- This box can be added with basement at the box bottom, floor stand type, lock design.
- Unattached cable access for butterfly cable and fixing fittings.
- Outdoor applications IP55.
- Integrated splice tray and fiber management.
- Compact structure, good dustproof property.
- Two layers designed, available splitter space and splice cassette with pigtail.

Description	Unit Material	Packing Type
ODP 8 Core Capacity SC	box	1 unit
ODP 16 Core Capacity SC	box	1 unit
ODP 32 Core Capacity SC	box	1 unit
ODP 64 Core Capacity SC	box	1 unit



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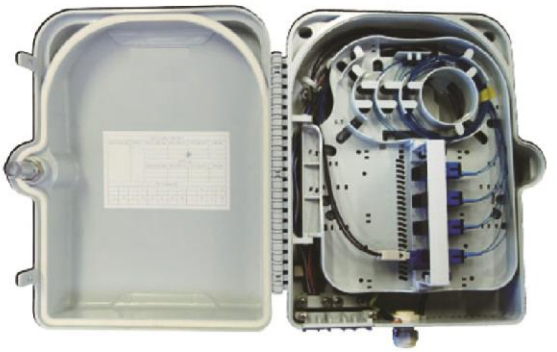
DtC Optical Distribution Point - Wall / Pole Mount

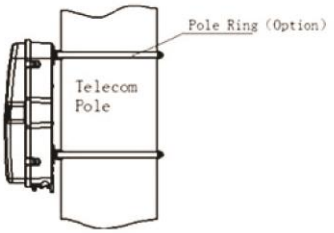
DESCRIPTION

DtC Optical Distribution Point Wall/Pole is a robust outdoor-rated enclosure designed for FTTH network i, may adapt variety of optical connection styles. PLC Splitter avalibale space inside the DtC Optical Distribution Point also the splice termination cassette.

FEATURES

- Indoor and outdoor applications, IP 55 rated
- Loop Through cable can be installed
- PLC Splitter can be installed
- Swing panel design for easy installation and maintenance
- Integrated splice tray and fiber management
- Distribution cables can be pre-terminated or spliced to pigtails
- Wall and Pole mountable





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Description	Unit Material	Packing Type
ODP Wall 8 Core Capacity SC	box	1 unit
ODP Wall 16 Core Capacity SC	box	1 unit
ODP Wall 24 Core Capacity SC	box	1 unit

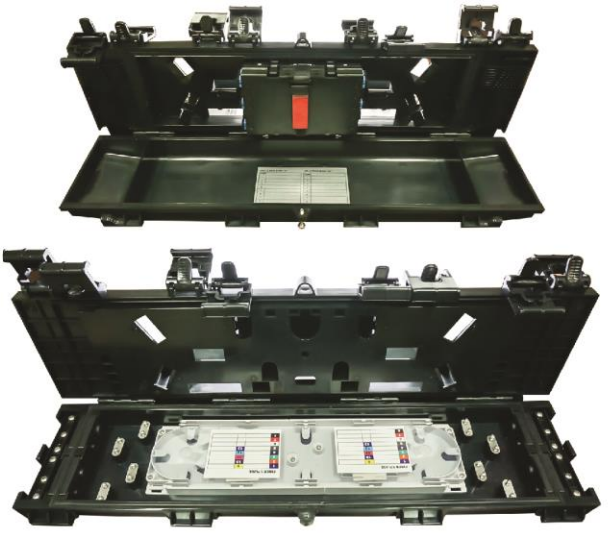
DtC Optical Distribution Point - Aerial Hanging

DESCRIPTION

DtC Optical Distribution Point Aerial is a closure devices are equipped with optical termination as a connection point between optical distribution cables and optical drop cables to the customer, whis is mounted on the aerial, and equiped with splitters.

FEATURES

- Aerial outdoor applications, IP 55 rated
- Loop Through cable can be installed
- PLC Splitter can be installed
- Separated spaces for cable intallation and termination
- Integrated splice tray and fiber management
- Easy locking mechanism with clip
- Aerial mountable



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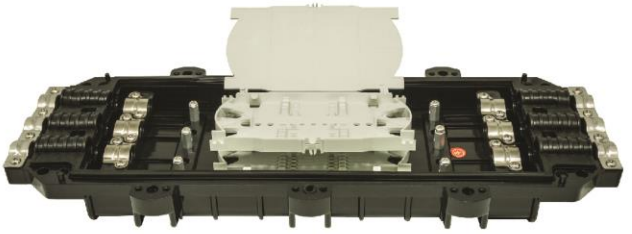
Description	Unit Material	Packing Type
ODP Aerial 8 Core Capacity SC	box	1 unit
ODP Aerial 16 Core Capacity SC	box	1 unit

DtC Optical Joint Closure

DESCRIPTION

This optical fiber cable joint box is applied to aerial, duct, direct-buried optical fiber cable, straight through or branched jointing. The joint box has two cable entrance ports on each end, one in two out or two in two out. This kind of joint box has compact structure and good sealing property.



EQUIPMENT CHARACTERISTIC

- Poly carbonate lightweight easy to install
- High mechanical strength, up to 2000N/10cm,
- Good sealing and anti corrosion performance
- Easy to install, open repeatedly, enlarge capacity, maintain & rejoint
- Capacity up to 288core, with 24core splice capacity tray

Description	Unit Material	Packing Type
Joint Closure 12core	box	1 unit
Joint Closure 24core	box	1 unit
Joint Closure 48core	box	1 unit
Joint Closure 96core	box	1 unit
Joint Closure 144core	box	1 unit
Joint Closure 288core	box	1 unit

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DtC Multimedia Fiber Home Termination Point

DESCRIPTION

DtC Multimedia Box is for user housing termination point, design especially for FTTH user homepass termina tion point. The Multimedia Box can be install inside wall for good looking interior, available power distribution, space holder for modem or wifi equipment installation, also can be design as house networking center point.

CHARACTERISTICS

- Available for wall install (inside wall)
- Cold rolled steel, easy and smooth operation
- Compact structure and good air flow for equipment
- Compatibility for most of wifi modem, and has enough room for retaining patch cord and pigtail

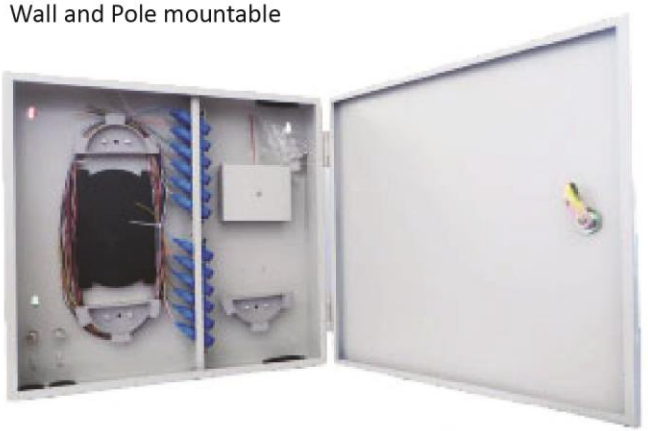
DtC Optic Indoor Termination Point

DESCRIPTION

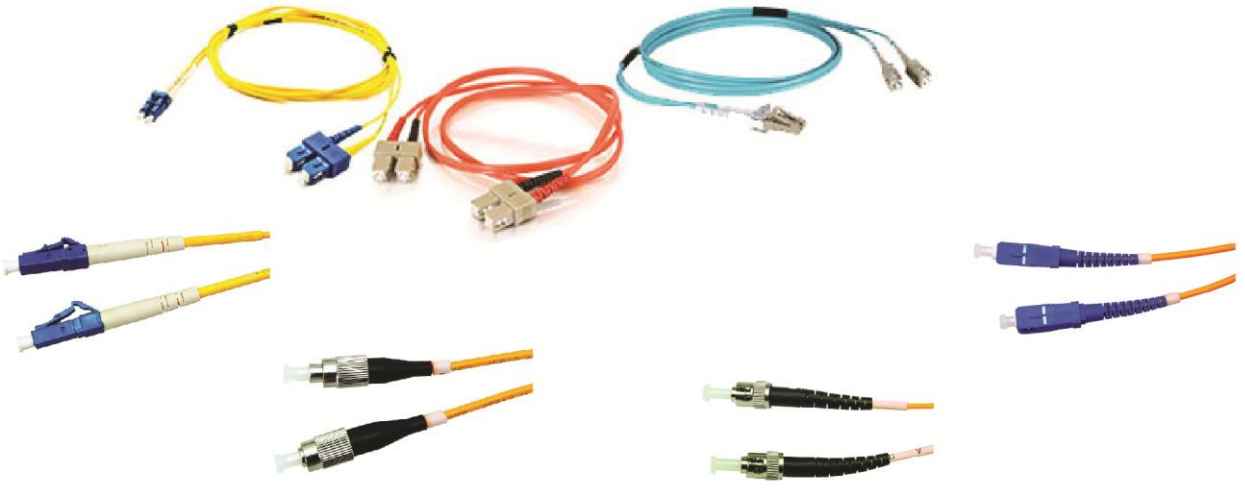
DtC Optical Distribution Point Wall is a robust indoor-rated enclosure designed for FTTH network in single dweling, multi-dwelling and multitenant applications, where it serves as distribution box for up to 24 subscrib ers. PLC Splitter can be mounted in the DtC Optical Distribution Point.

FEATURES

- Indoor applications, IP 55 rated
- Loop Through cable can be installed
- PLC Splitter can be installed
- Swing panel design for easy installation and maintenance
- Integrated splice tray and fiber management
- Distribution cables can be pre-terminated or spliced to pigtails
- Wall and Pole mountable



DtC Optic Patch Cable - Custom Length



Fiber optic patch cords suited for equipment jumper cable, cross connects, and work area connections. All patch cords are 100% factory tested to ensure performance to TIA/EIA-568-B-3 standards. FC,SC,ST,LC,MU,MTRJ and hybrid Patch Cords are available in both multimode (9/125µm and 50/125µm) and single mode cable-types, in duplex and simplex versions. The DtC range of patch cords are constructed from high quality connectors and 9/125µm OS2 - 50/125µm OM2/OM3/OM4 grade cable.

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FEATURES

- Low insertion loss
- High return loss
- Precise end face inspection by microscope
- Environmentally stable in optical performance
- Provides total immunity to electrical interference
- For Telecommunication, Computer Networks, CATV networks, active device application use, for the best result.

Description	Type Available	Termination	Unit Material	Packing Type
Patch Cable SC-SC Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC & APC	meter	Pcs
Patch Cable FC-FC Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC & APC	meter	Pcs
Patch Cable LC-LC Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC & APC	meter	Pcs
Patch Cable SC-FC Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC & APC	meter	Pcs
Patch Cable SC-LC Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC & APC	meter	Pcs
Patch Cable FC-LC Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC & APC	meter	Pcs
Patch Cable SC-ST Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC	meter	Pcs
Patch Cable FC-ST Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC	meter	Pcs
Patch Cable LC-ST Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC	meter	Pcs
Patch Cable ST-ST Du/Sim-plex	OS2/OM2/OM3/OM4	PC/UPC	meter	Pcs
Pigtail SC	OS2/OM2/OM3/OM4		meter	Pcs
Pigtail LC	OS2/OM2/OM3/OM4		meter	Pcs
Pigtail FC	OS2/OM2/OM3/OM4		meter	Pcs

Note: Custom Length By Request

DtC MPO / MTP Patchcord Cable

DTC Netconnect patchcord cable are simplex multi-fiber Cable using the MPO / MTP connector in fiber counts of 8 / 12 / 24. They offer Male and Female MPO / MTP connectors on each end. Available in 8/ 12 / 24 fibers versions as well as multi-mode (10G OM2 / OM3 / OM4, Bend-insensitive fiber, etc.) and single-mode (G652D, G657A1 etc.) fiber types.

With our highly integrated design and manufacturing capability, Gigalight can also provide customized products and solution to help customer for better opportunities. Our products are 100% tested at our factory to deliver optimal performance and reliability.

FEATURES

- MPO / MTP connector interface patchcord
- Choices of different cable structure to cater for different installation needs
- Available in 8 / 12 / 24 cable fibers from round or ribbon optical cable
- Improves and simplifies fiber routing, decreases fiber management space
- Available termination method A, B, C
- Type: Male & Female
- Available for all types of cablle sizes
- Comply with IEC 61754-7, Telcordia GR-1435-CORE, RoHS

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DtC Preconnector Drop Cable

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CABLE REQUIREMENT

- The outer sheath of the cable is LSZH material
- Fiber Optic Type Singlemode G657A2
- Using messenger (Galvanis Steel – Glue Type), Diameter range 1.2 mm ± 0.1 mm, Anti - Corrosion material
- Strenght member made from Aramid Reinforced Plastics (ARP) or Fiber Reinforced Plastic (FRP) or Glass Reinforced Plastic (GRP), Diameter range 0.45 mm - 0.55 mm
- 1 Core (blue colour)
- Using Strong Rubber or Plastic Tie Wrap to enwrap cut off messenger (fix wrap)
- Distance from tie rap to boot of connector is 10 cm

CONNECTOR REQUIREMENT

- Using SC/UPC Connector with Blue Colour
- Connector length : 50 mm

Parameter	Unit	Value	Referensi
Radius of Curvature	mm	10-25	Telcordia GR326 (4.4.5)
Apex Offset	µm	≤ 50	
Fiber Protrusion	nm	≤ 50	
Fiber Undercut	nm	≤ – 0.02 R3 + 1.3 R2 – 31 R + 325	

- Insertion Loss ≤ 0.25 db (IEC 61300-3-4)
- Return Loss ≥ 50 db (IEC 61300-3-4)
- Operating temperature (-20°C) to (+70°C)
- Storage temperature (-40°C) to (+80°C)

Description	Type Available	Termination	Unit Material	Packing Type
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	40 meter	Pcs
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	50 meter	Pcs
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	60 meter	Pcs
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	70 meter	Pcs
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	80 meter	Pcs
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	100 meter	Pcs
Preconnector Drop Cable	Fiber Optic Type Singlemode G657A2	SC/UPC	150 meter	Pcs

DtC Optic Splitter - PLC/ Cassette/ Mini/ Rackmount type

SPECIFICATION

- Splitter inside the box being recommended for cable size 0.9 or 2.0mm
- Temperature performance -40 to +85 degree
- Operting wavelength for 1260-1650nm
- Available capacity of spliting: 1x2, 1x4, 1x8, 1x16, 1x32, 1x64
- Insertion loss of PLC splitter with connector should plus related connector excess loss

APPLICATION

- Installed in optical cross connecting cabinet
- The color can be adjusted according to customers'requirements
- Can mount to Rackmount Chasis

FEATURE

- Small size and aesthetic appearance.
- Installation quick, reliable performance, stability.
- Employ integrated optic production process.
- Wide operating wavelength range.
- Good uniformity,in particular the application of PON.

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Description	Type Available	Packing Type
Splitter PLC Box	1:2, 1:4, 1:8, 1:16, 1:32, 2:4, 2:8, 2:16	unit
Splitter Cassette	1:2, 1:4, 1:8, 1:16, 1:32	unit
Splitter Mini	1:2, 1:4, 1:8, 1:16, 1:32	unit
Rackmount Splitter	1:2, 1:4, 1:8, 1:16, 1:32	unit
Rackmount Splitter Housing	16 Slot	unit

DtC Optic Faceplate (Roset) & Fast Connector

Usage cases for pigtail, mechanical connector, adaptor and faceplate house Option usage cases with field assembly connector, adaptor and faceplate house Other option usage cases with pigtail, heat shinkable tube, adaptor and faceplate house

SPECIFICATION

- Insertion loss for adaptor ≤0.2dB (1310nm & 1550nm)
- Aplicable mode for Singlemode and Multimode
- Temperature -5 deg C to +40 deg C
- Outer port 2

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The DtC Fiber Optic single piece connectors are designed for quick and easy termination either on-site or in the factory. Suitable for use with both loose tube and tight buffered cable, the LC Connector is becoming the Small Form Factor (SFF) of choice. Occupying half the space of a duplex SC Connector, this product is ideal for high density applications such as Data Centres and Server Farms.

SPECIFICATION

- Improved direc fiber jointing and embedded technology
- Ceramic parts axial self-aligned technology
- integrated protective cover
- Visual operation quality, independent on light and special equipments

APPLICATION

- Use for termination flat drop cable to user room/area
- Cable termination to ONT
- Bulding distribution termination

DtC Optic Distribution Frame

SPECIFICATION A

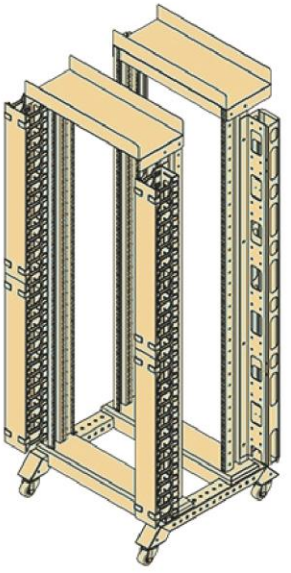
► Standard 19" module structure, flexible in fibre expansion and operation in large capacity

► Applied in the high access situation in the fiber access network, can deploy standard modules, such as optical power splitting and splicing module

► Can be customise to the super large optica link resource management office, making customer's link management and maintenance easy

► OTB capacity can be design and customise by order request

► Splitter module can be mount in the cabinet



SPECIFICATION B

► Modular design, easily assemble and disassembl for delivery, low cost. Various optional accessories according to requirements.

► Static load: 150kg

► Lever of protection: IP20

► Surface finish: Degreased, acid cleaned, phosphoric, water cleaned, electro-static powder coating, meet ROHS standard.

► Optional accessories (cable management left/right)

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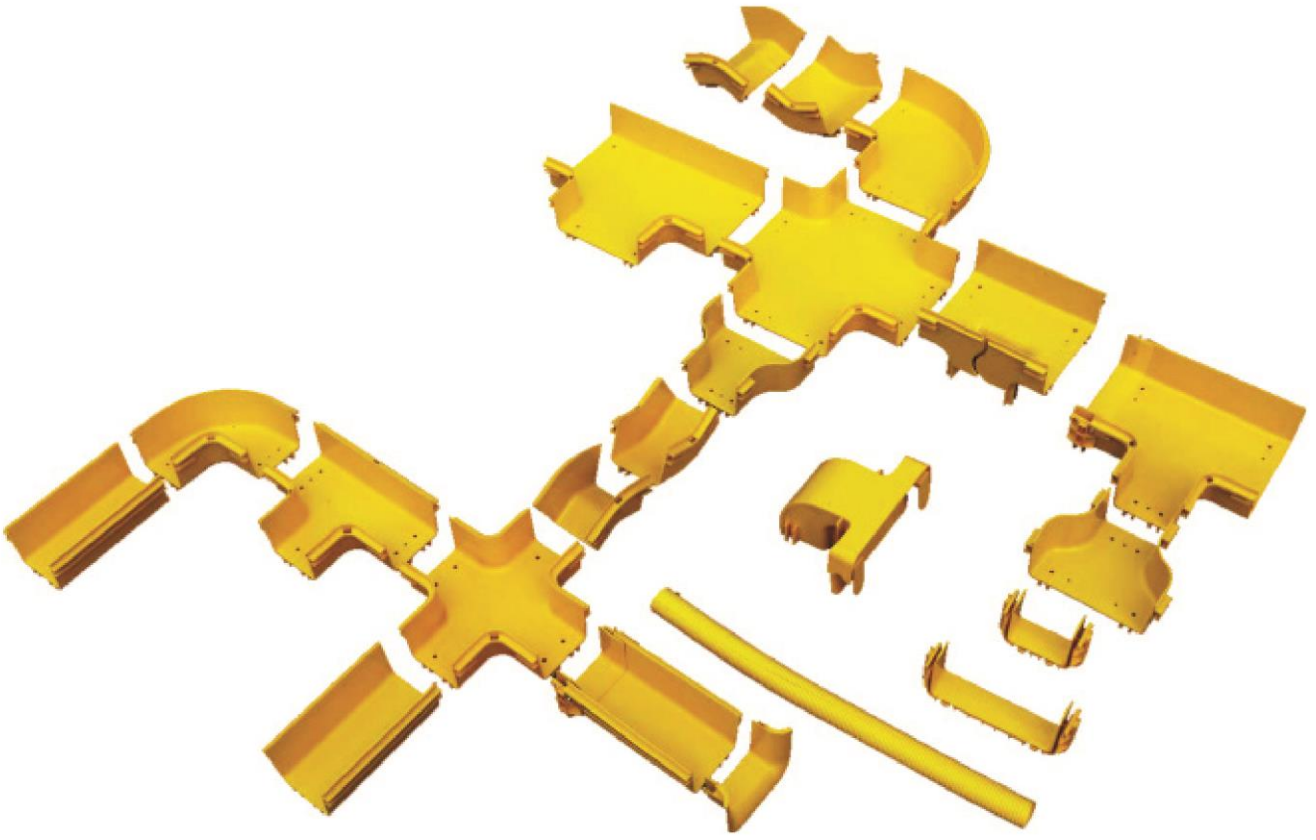
DtC Fiber Tray



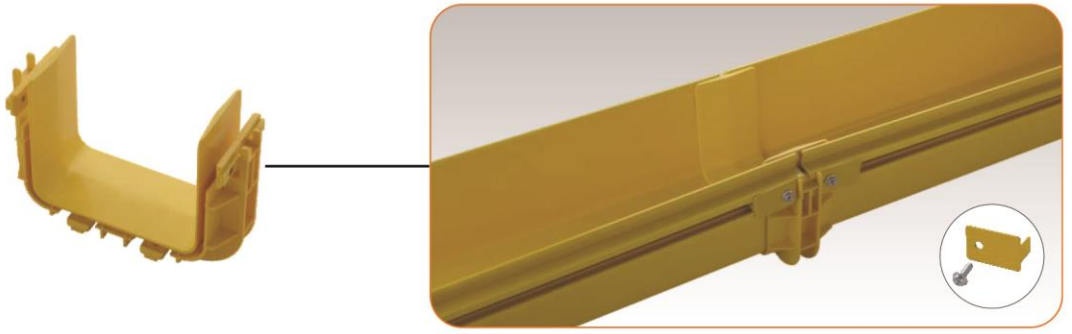
DtC Fiber Tray is a duct system that designed to protect and route fiber optical cable (backbone and patch lead cable) from network cabinet, server cabinet and optical distribution frame. Fiber tray offer ideal solutions for optical raceways and applications with elegant appearance and easy maintenance. With the rapid progress of the optical communication and optical accessories network, the managing system for the fiber's route becomes an essential tools for the communication office.

SPECIFICATION

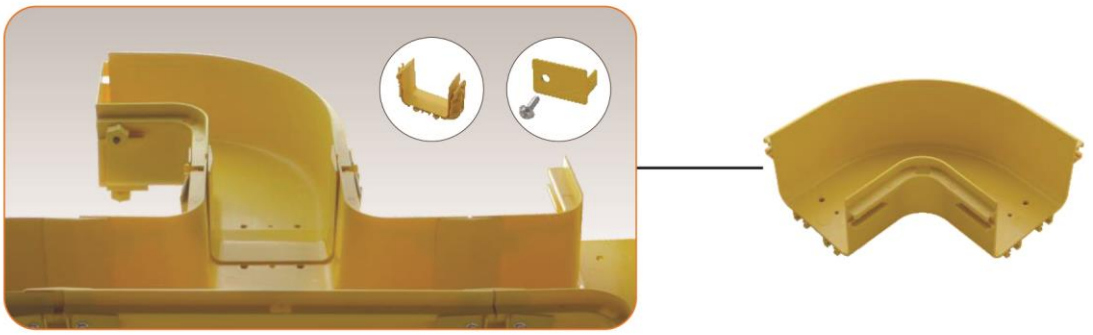
- Flame retardant materials related GB/T2048-1996 FV-0
- Materials consist of PVC for straight sections and other supporting accessories using ABS material
- The channel could pass the low temperature test and has no crack and bitter failure

DtC Fiber Tray

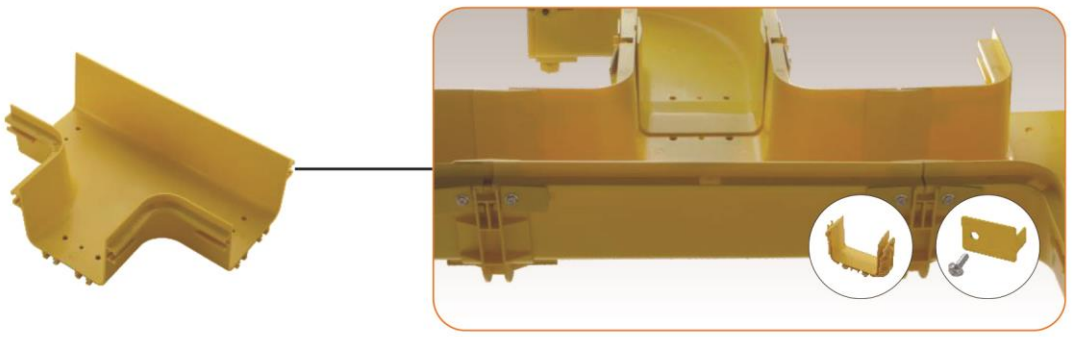
Tray Connector (120/240)



Horizontal Bend 90 degree

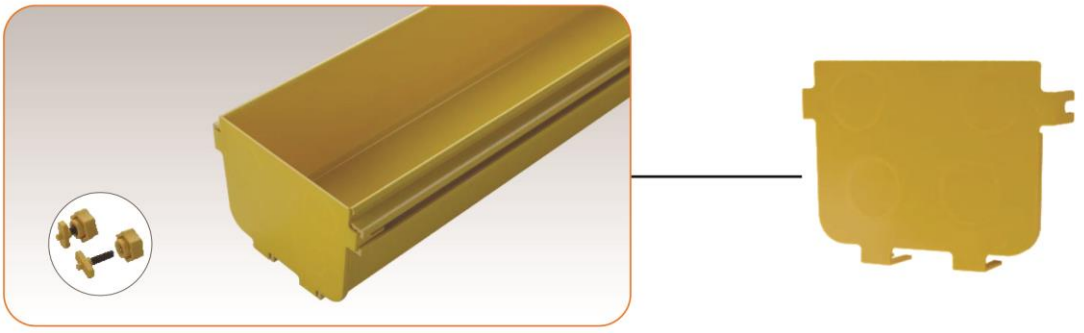


Horizontal Tee Connector

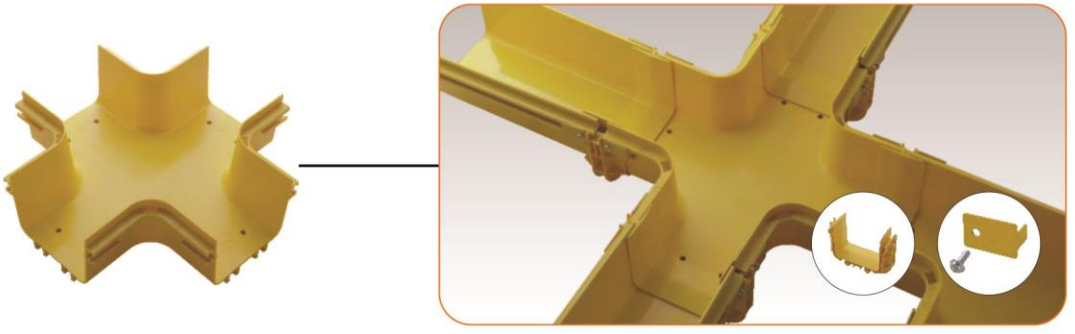


DtC Fiber Tray

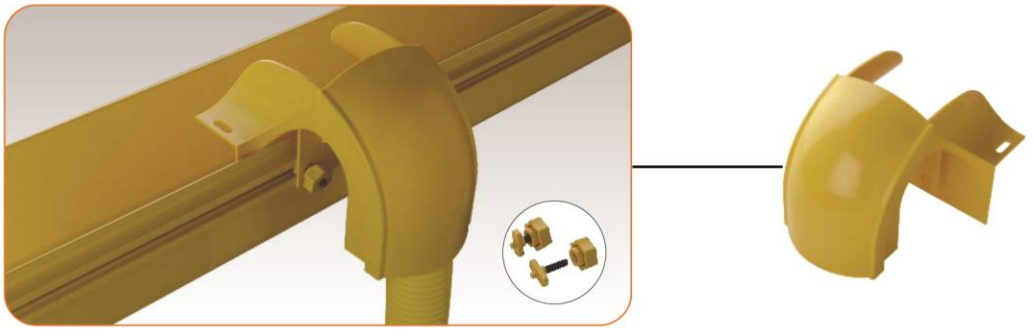
End Cap



Horizontal Cross

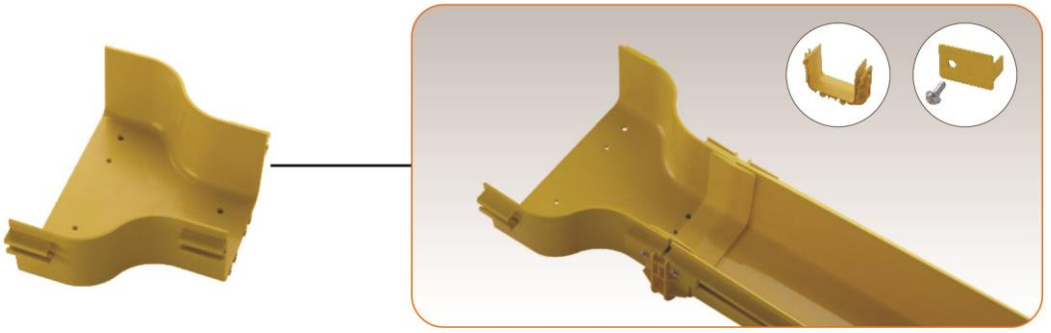


Movable Cable Exit

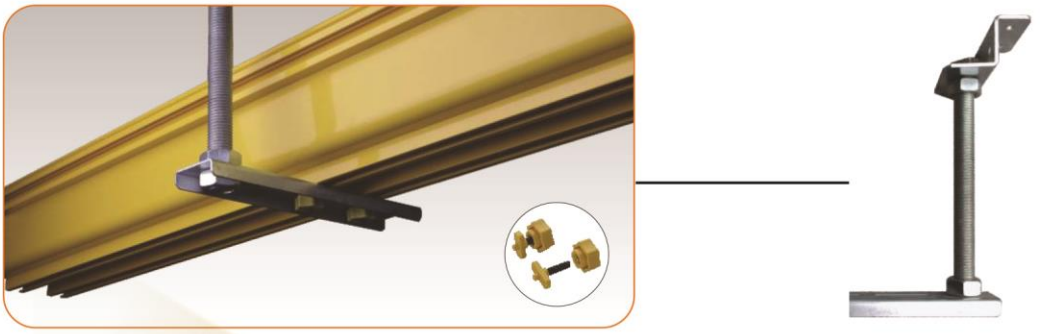


DtC Fiber Tray

Reducer



Hanging Bar



DtC Cold Aisle Containment System

How to reduce energy waste? The cold air should be avoid exchanging with the effluent hot air as soon as possible during the process of facility cooling. So the cold and heat channel should be build to make sure that the cold air in the cold channel will not exchange with the hot air before it passing the facilities. Cold Pool System is the best among the present data center consumption reducing solutions .

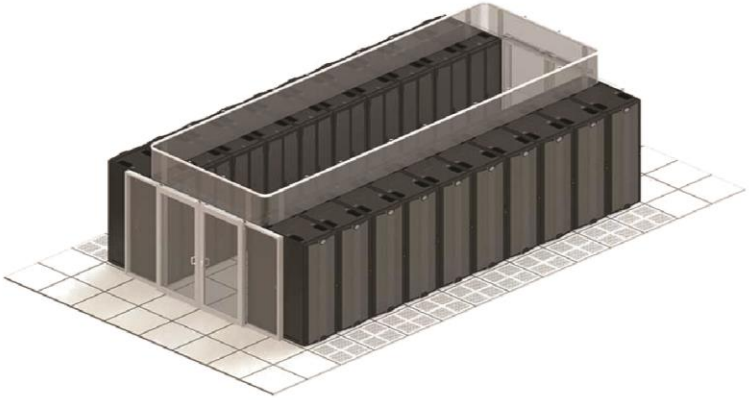
► Comply with ANSI/EIARS-310-D, DIN41491; PART1, IEC297-2, DIN41494; PART7, GB/ T3047.2-92 standard. Compatible with metric ETSI and 19 inch international standard.

► The material of sliding door is double-deck cold-rolled sheet metal which make sure a good intensity of the door; And the middle of the door is made up of clear tempering glass which allow the outside people checking the situation of inside channel.

► Mainly applied in Finance, Securities and Data Centre, etc.

RoHS
Compliance

DtC Hot Aisle Containment System



► Comply with ANSI/EIARS-310-D, DIN41491; PART1, IEC297-2, DIN41494; PART7, GB/T3047.2-92 standard. Compatible with metric ETSI and 19 inch international standard.

► The material of sliding door is double-deck cold-rolled sheet metal which make sure a good intensity of the door; And the middle of the door is made up of clear tempering glass which allow the outside people checking the situation of inside channel.

► Mainly applied in Finance, Securities and Data Centre, etc.

RoHS
Compliance

DtC Network Cabinet System

STANDARD

Comply with ANSI/EIARS-310-D, DIN41491; PART 1
IEC297-2, DIN41494; PART7, GB/T3047.2-92 standard.

FEATURES

- Hexagular hole front door design for airflow and heat dissipation
- Each side panel with lock and ventilation for security and heat cooling
- Two side panel using quickly release sliding latches, easy to knockdown
- Large cable enttry in base, adjustable feet and universal castor in the bottom static loading: 1000 KG
- Full range of optional accessories
- Flat package, easy to carry and save space
- Advanced lock. Efficient and solid cabinet connection

APPLICATION

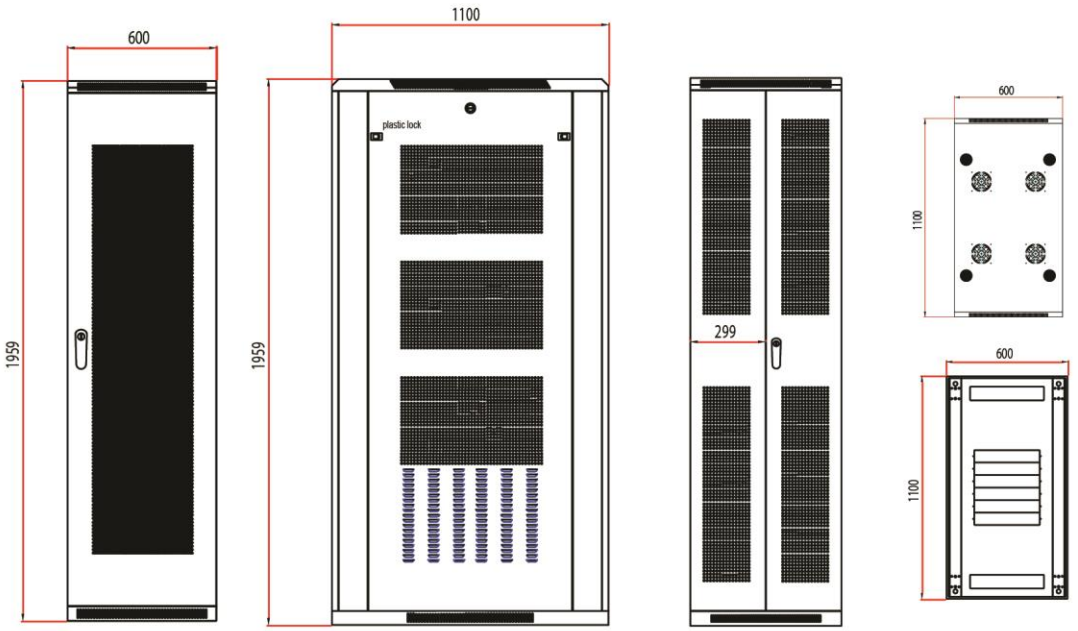
Widely applied in Finance, Securities and Data Centre Network

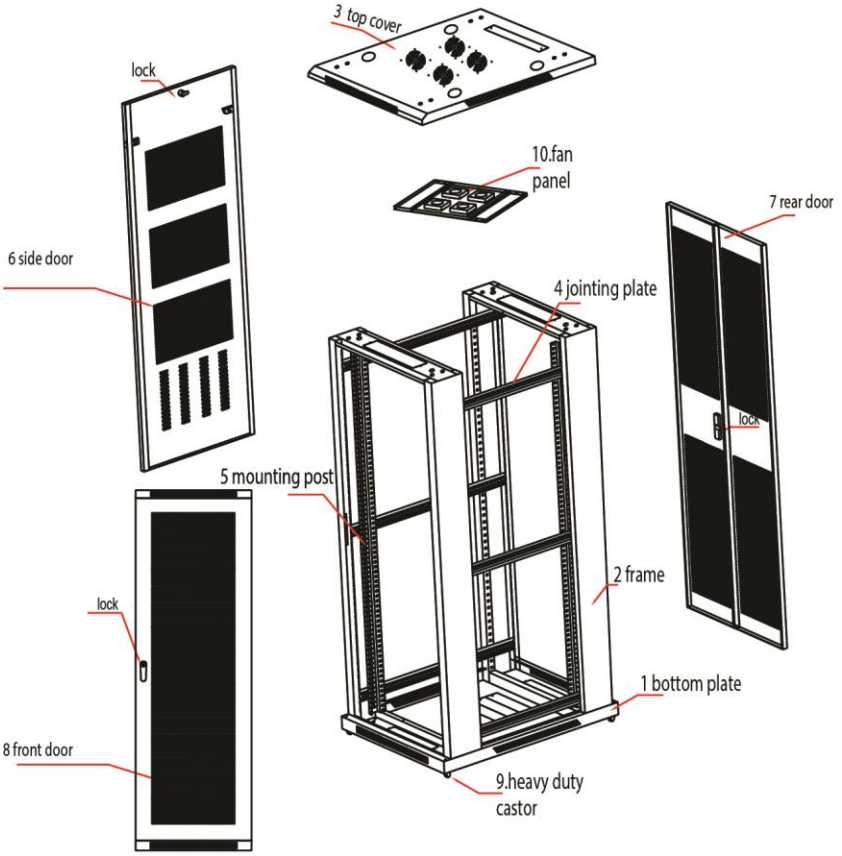
RoHS
Compliance

RU	Overall Dimensions		
	Height	Width	Depth
45 (19" Inch)	2166	600	1000
45 (24" Inch)	2166	800	1000
42 (19" Inch)	2035	600	1150
42 (24" Inch)	2035	800	1000
30 (19" Inch)	1507	600	1000
30 (19" Inch)	1507	600	1100
20 (19" Inch)	990	600	900

DtC Network Cabinet System

STRUCTURAL (WIDHT 600MM)





1. Mounting post 2.0 cold rolled steel
2. Frame 1.5 cold rolled steel
3. Front Door 1.2 cold rolled steel
4. Side Door 1.0 cold rolled steel
5.. Left Rear Door 1.5 cold rolled steel
6. Right Rear Door 1.5 cold rolled steel

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DtC Colocation Cabinet System

STANDARD

Comply with ANSI/EIARS-310-D, DIN41491; PART 1
IEC297-2, DIN41494; PART7, GB/T3047.2-92 standard.

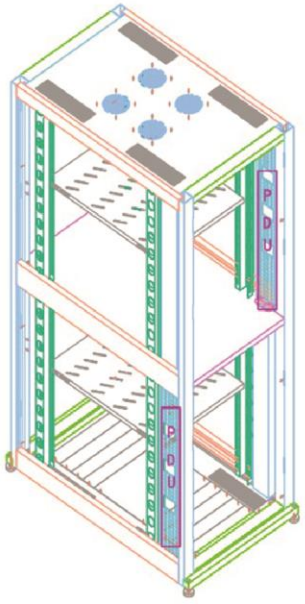
FEATURES

- Hexagular hole front door design for airflow and heat dissipation
- Each side panel with lock and ventilation for security and heat cooling
- Two side panel using quickly release sliding latches, easy to knockdown
- Large cable enttry in base, adjustable feet and universal castor in the bottom static loading: 1000 KG
- Full range of optional accessories
- Flat package, easy to carry and save space
- Advanced lock. Efficient and solid cabinet connection

APPLICATION

Widely applied in Finance, Securities and Data Centre Network

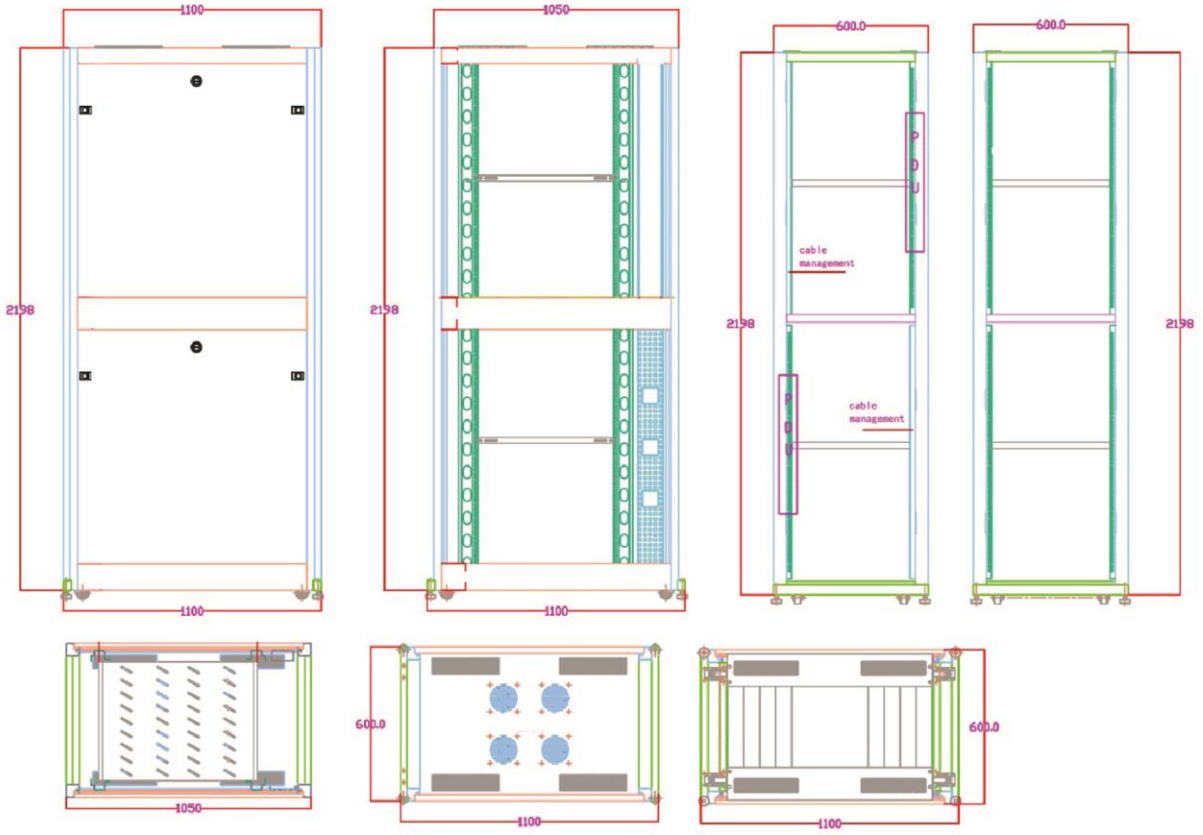
RU	Overall Dimensions		
	Height	Width	Depth
45U	2125	600	1000
42U	2035	600	1000
30U	1505	600	1000
20U	1055	600	1000



CERTIFY :

RoHS

RoHS
Compliance



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DtC Colocation Cabinet System

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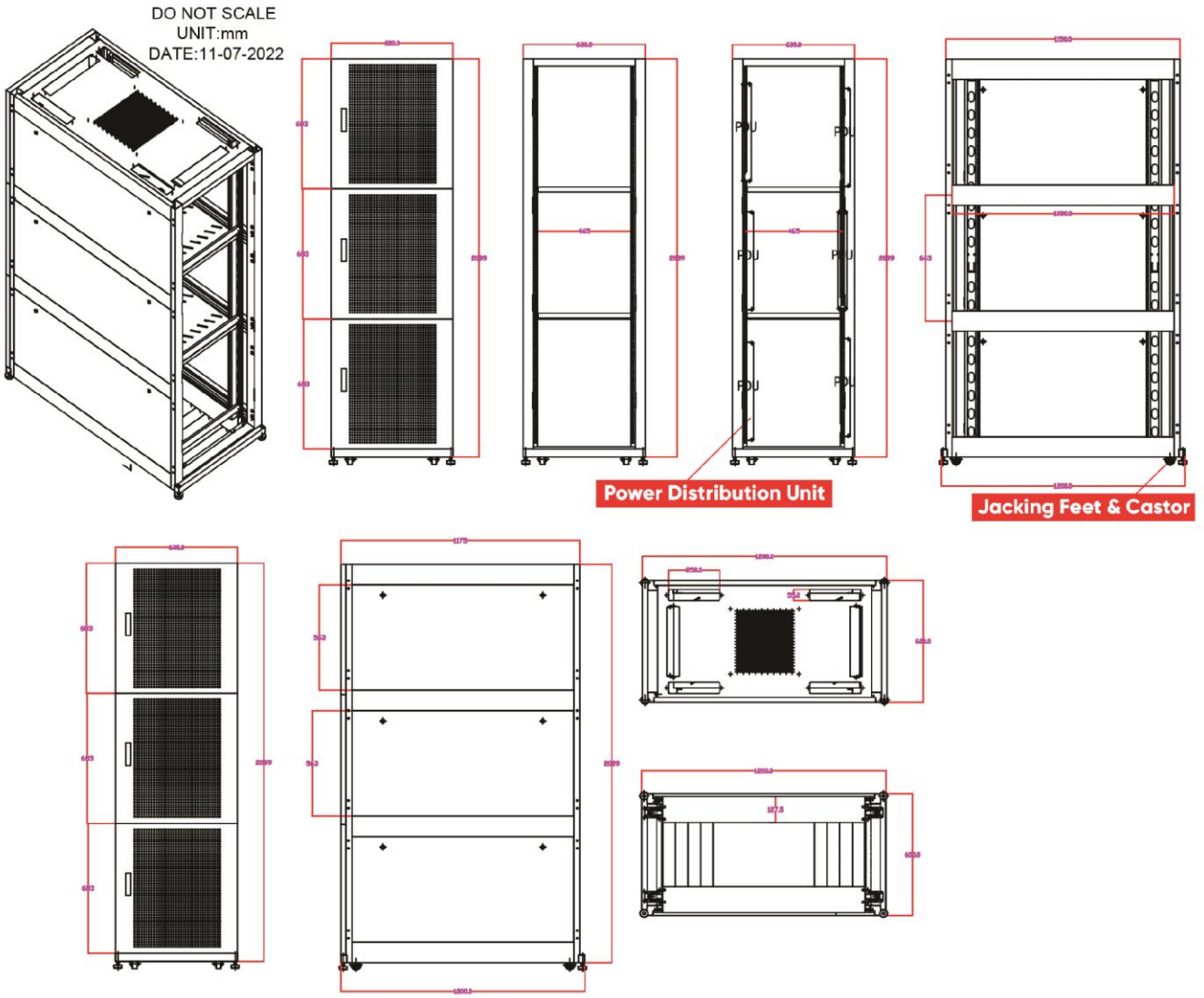
APPLICATION

Widely applied in Finance, Securities and Data Centre Network

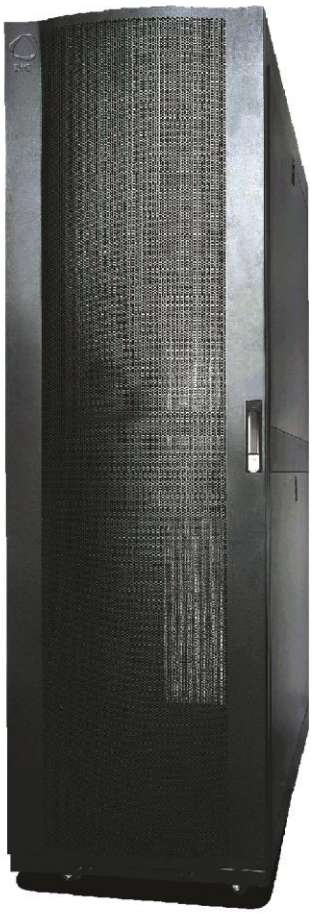
RU	Overall Dimensions		
	Height	Width	Depth
45U (19 Inch)	2125	600	1200
45U (24 Inch)	2125	600	1200



CERTIFY :

RoHS
Compliance

DtC Server Cabinet System



STANDARD

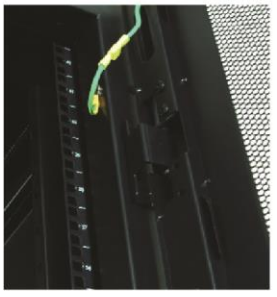
Comply with ANSI/EIARS-310-D, DIN41491; PART 1, IEC297-2, DIN41494; PART7, GB/T3047.2-92 standard.

FEATURES

- Finishing: degressing, pickling, phosphoric, powder coating.
- Cureved perforated front door and double section rear door enable equipment protection
- Nine fold section steel for the frame
- Adjustable feet and heavy duty castor are available at the same time static loading: up to 1500 KG
- Advanced lock, efficient and solid cabinet connection
- Top and bottom wiring channel can be closed and adjusted. Bottom plate with earthing kits
- Optional plinth to meet under base wiring, ventilation and rat-proof

APPLICATION

Widely applied in Finance, Securities and Data Center and adapted by professional servers network providers, as IBM, SUN, HP, COMPAQ, DELL, etc.

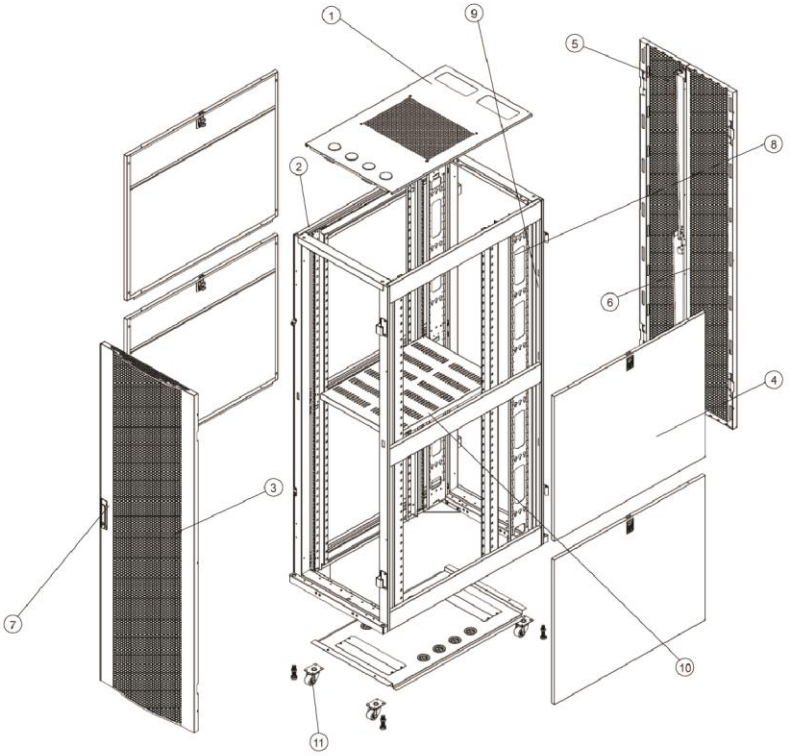


RU	Overall Dimensions		
	Height	Width	Depth
42 (19" Inch)	2055	600	1100
42 (24" Inch)	2055	800	1100
46 (19" Inch)	2215	600	1100
46 (24" Inch)	2215	800	1100

RoHS
Compliance

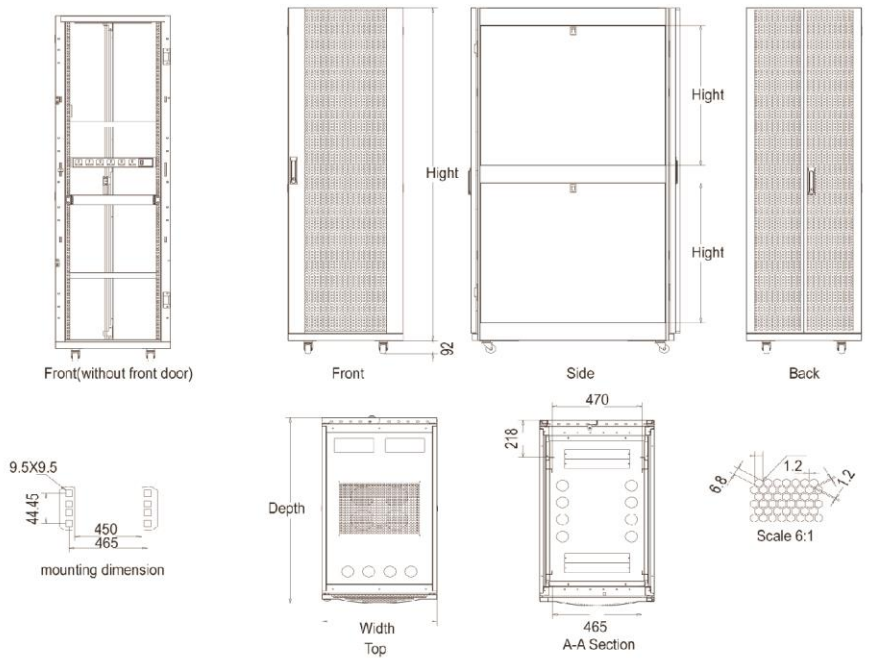
DtC Server Cabinet System

STRUCTURAL (WIDHT 600MM)



1. Top Cover 1.5 cold rolled steel
2. Frame 2.0 cold rolled steel
3. Front Door 1.5 cold rolled steel
4. Side Door 1.5 cold rolled steel
5.. Left Rear Door 1.5 cold rolled steel
6. Right Rear Door 1.5 cold rolled steel
7. Lock type euro-auto lock system
8. Mounting Rail
9. Vertical cable management type ring
10. Fixed shelf
11. Heavy duty caster

Unit of Measurement: mm



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DtC Open Rack

STANDARD

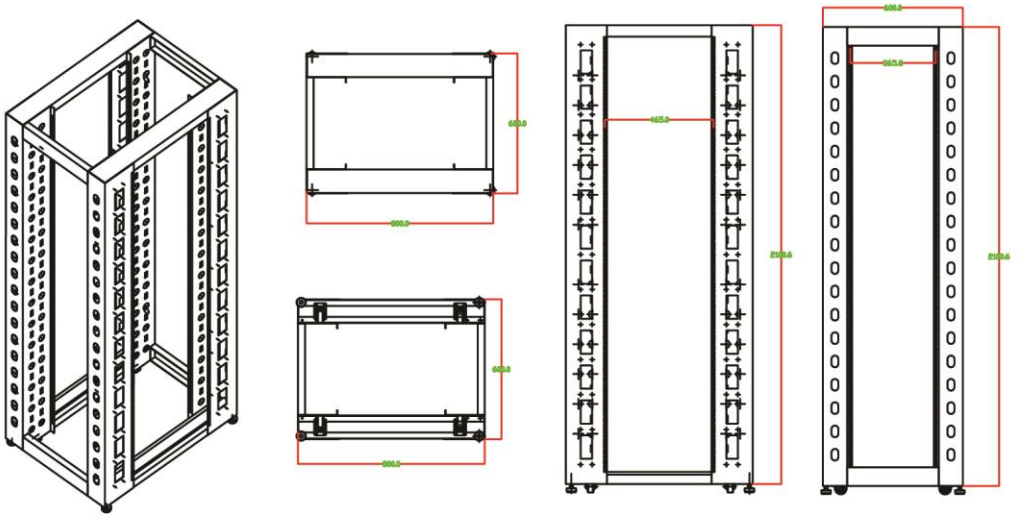
Comply with ANSI/EIARS-310-D, DIN41491; PART 1
IEC297-2, DIN41494; PART7, GB/T3047.2-92 standard.

FEATURES

- Heavy-duty steel construction
- Easy assembly
- Durable powder coat finish
- Standard mounting hole pattern
- Fasteners included (12-24 screws)
- Mounting holes threaded front and rear
- 600mm x 600mm x 2200mm
- o-punched L-shape 19" Mounting Rails
- Nine fold section steel for the frame
- Vertical cable spcae available
- Metal components: galvanized
- Plastic components: PA + TPE (Ral 9005)

APPLICATION

Widely applied in Finance, Securities and Data Centre Network



RU	Overall Dimensions		
	Height	Width	Depth
42U (19 Inch)	600	600	2200

DtC Wallmount Cabinet System

Widely Used in network system, educational system, broadcasting system and telecommunication system. Suitable for plaing server computer and precision electronic equipment

STANDARD

Comply with ANSI/EIA RS-310-D, DIN41491; PART 1 IEC297-2, DIN 41494; PART7, GB/T3047.2-92 standard.

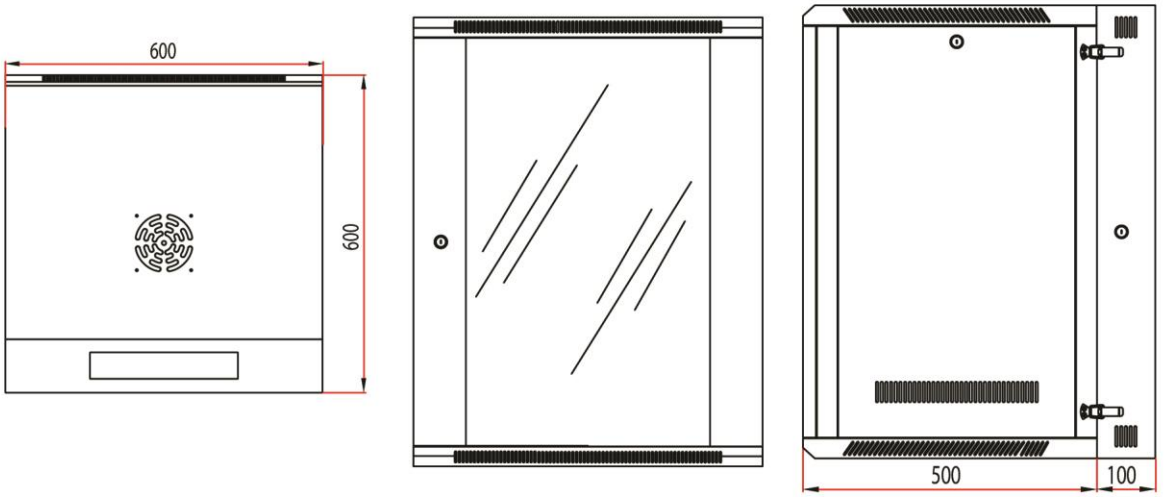
FEATURES

- Frame structure, double section wall mount cabinet
- Standard cabinet equiped with adjustable 19 mounting post
- Removable side doors and tempered glass front door safe with lock
- Cable entry on both of the top cover and bottom plate loading capacity: 60 KG
- Fan hole available on the top cover

RU	Overall Dimensions		
	Height	Width	Depth
15 (Double Section)	760	600	600
12 (Double Section)	626	600	600
8 (Double Section)	450	600	600

RoHS
Compliance

STRUCTURAL DEPTH 600MM



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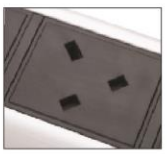
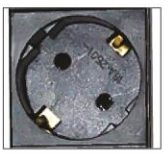
DtC Power Distribution Unit

INPUT/OUT CHARACTERISTICS

Input	Max Load	16 Ampere	32 Ampere
	Input Plug	Standar Socket	Industrial Socket
	Cable Length	3 M	3 M
Output	IEC320 C19 IEC320 C13 BS1363(90°) DIN49440		
Outlet Quantity	6 - 48 Port (Can be Custom)		
Feature	Standard PDU Fuse Breaker		
Case Color	Black		
Temperature	0 Degree C _ 55 degree C		
Humidity	10-90 %		

DETAIL



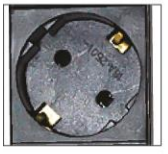


DtC Smart Power Distribution Unit

INPUT/OUT CHARACTERISTICS

Input	Max Load	32 Ampere
	Input Plug	32A Industrial Plug
	Cable Length	3 M
	Rate Input Voltage	220V ~ 50/60 Hz
	Cable Specification	3 x 6.0 mm²
	Overload Protection	1P 16A Hydraulic magnetic circuit breakers 2 pcs.
Output	IEC320 C19 IEC320 C13 BS1363(90°) DIN49440	
Outlet Quantity	6 - 48 Port (Can be Custom)	
Feature	Smart PDU Monitoring Amperemeter Monitoring Voltage Fuse Breaker RJ45 for Data	
Access Method	Web Based, Access via IP SNMP v1/v2c/v3 Serial Access (RS485 Modbus) Telnet	
Software System	Support web browsers like IE, Firefox, and Google, etc.	
Case Color	Black	
Temperature	0 Degree C _ 55 degree C	
Humidity	10-90 %	

DETAIL

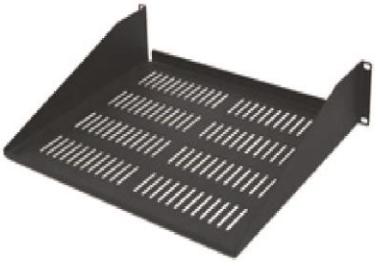


DtC Cabinet Supporting Accessories

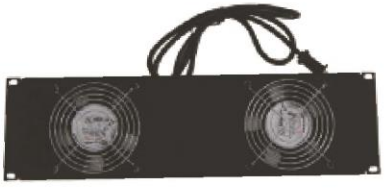
SLIDING & KEYBOARD SHELF

JACKING FEET & CASTOR

VENTILATED SHELF



FAN TRAY



CAGE NUTS

DTC NETCONNECT

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MANUFACTURE FACILITY:
- Pasar Kemis (Tangerang)

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