



DINTEK

LAN CABLING SYSTEMS

Structured Cabling Systems

Fiber Optic & Copper Solutions



- **PowerMAX 7™**
Cat.7 S/FTP Cable
- **PowerMAX+™**
Cat.6A Cabling Systems
- **PowerMAX™**
Cat.6 Cabling Systems
- **PowerPRO™**
Cat.5e Cabling Systems
- **Light-LINKS™**
Fiber Optic Solutions
- **ezi-FIBER™**
Mechanical Fiber Solution
- **Smart-LINK™**
Intelligent Patch Panels
- **DENSITY™**
Data Centre Solutions

Company Profile

PowerMAX7™ Cat.7 S/FTP Cable

Cat.7 4 Pair S/FTP Cable.....	1-2
-------------------------------	-----

PowerMAX+™ Cat.6A Cabling System

Cat.6A 4 Pair U/UTP Cable	3
Cat.6A F/UTP Patch Cord	4
CAT.6A UTP 19" Tray Patch Panel	5
CAT.6A UTP 19" Snap-in type Blank panel	6
Cat.6A E/F Jacks	7-8
Cat.6A 4 Pair S/FTP Cable.....	9
Cat.6A S/FTP Patch Cord	10
CAT.6A FTP 19" Tray Patch Panel.....	11
CAT.6A FTP 19" ezi-Panel.....	12
CAT.6A FTP 19" Snap-in type Blank panel.....	13
Cat.6A Fully Shielded Keystone F-Jack.....	14
Cat.6A Fully Shielded Toolless Keystone Jack.....	15

PowerMAX™ Cat.6 Cabling System

Cat.6 4 Pair U/UTP Cable	16
Cat.6 U/UTP Patch Cord.....	17
Cat.6 19" Patch Panel.....	19-20
Cat.6 19" ezi-Panel	21
Cat.6 E/F Jacks	22-24
Cat.6 110 Cross-Connect Block.....	25
Cat.6 4 Pair S/FTP & U/FTP Cable	26
Cat.6 S/FTP Patch Cord	27
Cat.6 Fully Shielded 19" Patch Panel	28-29
Cat.6 Fully Shielded 19" ezi-Panel.....	30
Cat.6 Fully shielded Keystone F-Jack	31
Cat.6 Fully Shielded Toolless Keystone Jack.....	32-33

PowerPRO™ Cat.5e Cabling System

Cat.5e 4 Pair U/UTP Cable	34
Fluke Test Report - Cat.5e UTP Cable run 1000BASE-T over 100M	35
Cat.5e 4 Pair UTP and FTP Patch Cord	36
Color-Coded Boots.....	37
Cat.5e 19" Patch Panel	38
Cat.5e E/F Jacks.....	39-40
110 Cross-Connect Block & Panel.....	41-42
Cat.5e 4 Pair F/UTP Cable.....	43
Cat.5e Fully Shielded 19" Patch Panel.....	44
Cat.5e Fully Shielded Keystone Jack.....	45
Cat.5e Fully Shielded Toolless Keystone Jack	46

SmartLINK™ Patch Panel

SmartLINK Patch Panel Function and Installation	47-49
SmartLINK Patch Panel.....	50

Telecom Cabling System

Cat.3 U/UTP Cable 50P&100P.....	51
19" Cat.3 Patch Panel.....	52

Industrial Cabling System

Outdoor Use UTP 4 Pairs Twisted Pair Cable.....	53
Outdoor Use FTP 4 Pairs Twisted Pair Cable	54
IP67 Faceplates.....	55
IP67 Mounting Boxes	56
IP67 RJ-45 Keystone Jack.....	57-60
IP20 Field Terminable RJ-45 Plug	61-62

Outlet

Surface Mount Box and Multimedia Insert	63-64
US type, 70 x 120 mm CurvaPlate Wallplate	65
UK type, 86 x 86 mm CurvaPlate Wallplate	67
Euro type, 80 x 80 mm Wallplate	68
French & German type, 80 x 80 mm Wallplate	69
In-Wall Box.....	70
Inline couplers	71

Cable Management

Cable Management Panels	72-73
-------------------------------	-------

Light-LINKS™ Fiber Optic Cabling System

In-Door Multi Purpose Distribution Fiber Optic Cable	74
Indoor/Outdoor Access Building Fiber Optic Cable	75
Out-Door Unitube Armor Fiber Optic Cable	76
Out-Door Dielectric Fiber Optic Cable	77
Out-Door Armor Fiber Optic Cable	78
Out-Door Self-supporting Fiber Optic Cable	79
FTTH Flat Drop Cable	80
MPO Trunk Cable	81
MPO to LC Preterminated Cassette.....	82
MPO to SC Preterminated Cassette	83
19" 1U Cassette Panel	84
MPO Patch Cord	85
MPO Fan-Out Cable Assemblies	86
OM3/OM4 Patch Cord	87
OM1/OM2 Patch Cord	88
OS2 Patch Cord	89
Pigtail	90
Fiber optic Connector	91-92
ezi-Fiber Quick Assembly Connector	93
ezi-Fiber Mechanical Splice	94-95
ezi-Fiber Install Tool	96
ezi-FIBER High Precision Fiber Cleaver.....	97
ezi-FIBER Quick Install Kit	98
Wall Mount Fiber Optic Enclosure	99
19" Fiber Optic Rack Mount Enclosure	100
Fiber Optic Distribution Box	101-103

CCTV/CATV Cabling System

Coaxial Cable	104
Coaxial Compression Connectors	105
Coaxial Compression Tools.....	106

19" Cabinets

Wall Mount Cabinets	107
Floor Stand Network Cabinets	108-111
PDU w/IEC LOCK	112-113

Tools

TECHBENCH - Termination Kit	114
RJ45 Crimping Tool	115-116
Twin Tester	117

ANSI/TIA 568C Standard	118-133
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Index



At DINTEK Electronic Limited we provide a comprehensive, quality driven product range for our customers, as well as in depth installer training programs, and an industry standards based quality assurance system.

We are an industry leader because we operate from a principal of supporting our distributors and installers with not only premium quality products, but the means to install those products accurately with the end result being that of delivering the best possible bandwidth to the end user.

Jason Chang
General Manager DINTEK

Our Values



About DINTEK

DINTEK Electronic Ltd was founded in 1990 and has its headquarters based in Taipei, Taiwan.

DINTEK is a leading manufacturer and supplier of high quality Electronic Connectors, LAN Cabling Systems.

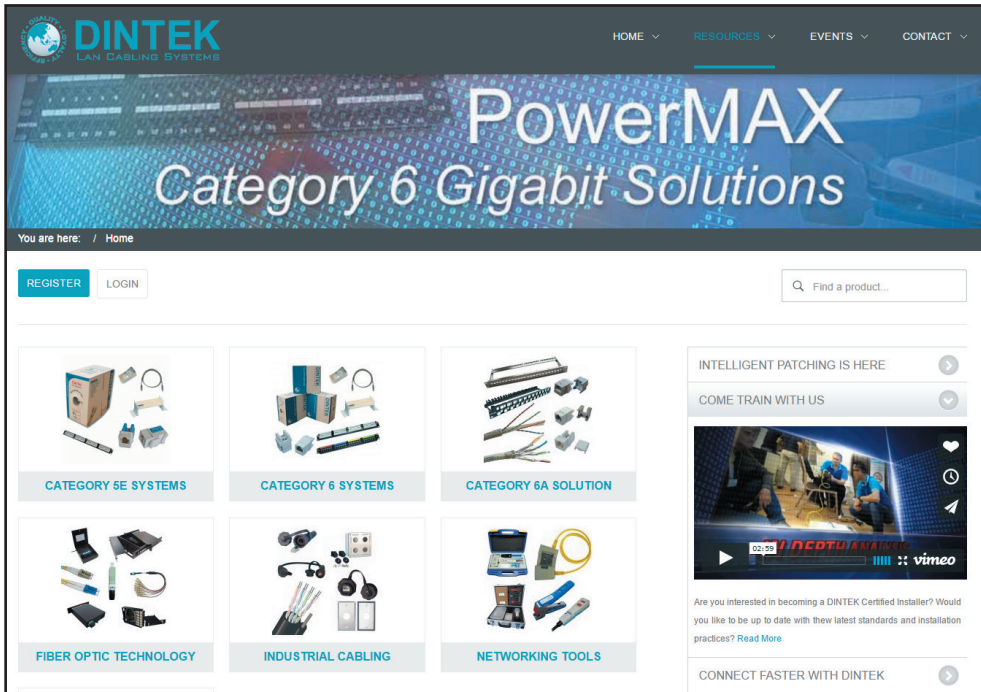
Our overall mission is to be innovative and successful within a culture of integrity. By maintaining integrity within our business, our success will continue to be realised through the success of our customers.

As such DINTEK does not just sit back and follow the market with a "Me To" approach. We are constantly looking at new ideas, developing new products and pushing to get innovations out to our customer base so that we can better support them.

We offer a diverse array of innovative products ranging from Telecom Connectors to Backplane systems and LAN cabling systems. To meet the demands of our customers, we make continuous efforts to expand our product lines and sales channels.

As part of our commitment to support our customers and their specific needs, DINTEK(Switzerland), and DINTEK(Australasia) were set up with the intention of futhering DINTEK's core philosophies of Quality, Loyalty and Efficiency, thereby providing a better overall service to them.

DINTEK ON THE WEB



Dintek provides a website that contains a wealth of information regarding our products, events, and industry news.

The main purpose of the website is to :

- Announce

New product lines and upcoming events.

- Inform

Providing latest updates to standards.

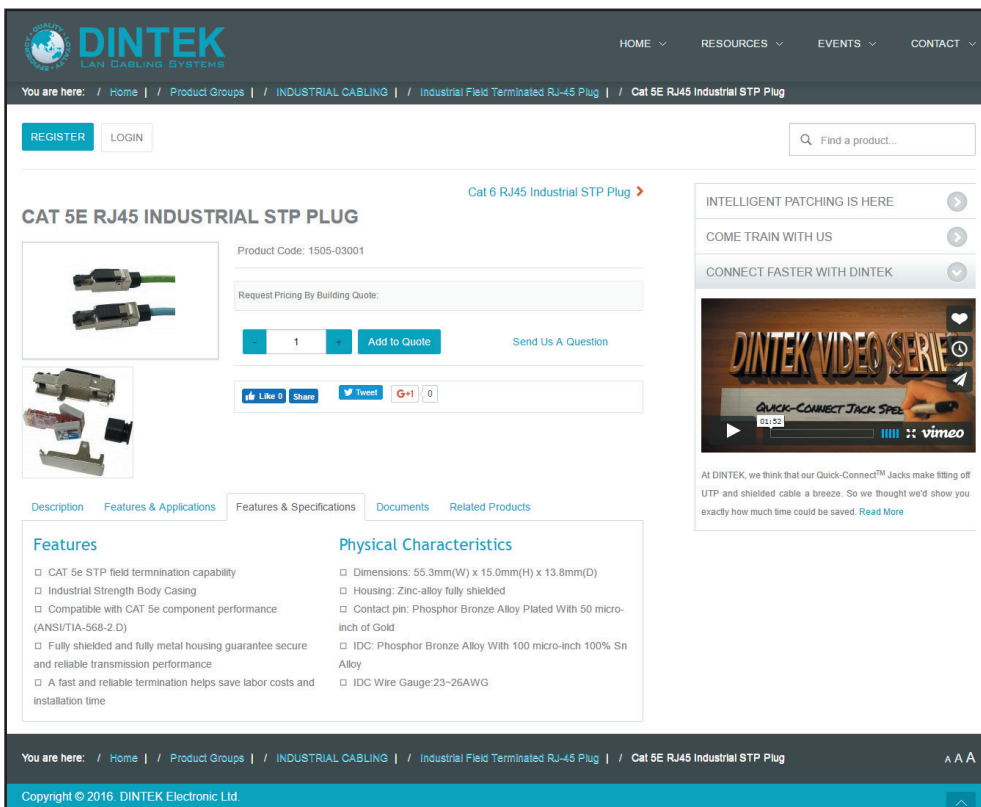
- Support

Provide support and assistance to customers

- Promote

Give customers the tools to promote Dintek products

ONLINE PRODUCT CATALOG



The online catalog has been provided to our customers, and visitors to the website, to learn more about our products.

- Information

Contains detailed and specification information regarding the products listed.

- Downloads

PDF download sheets available for specifications and specific certificates of conformity

- Photos

High resolution photos for use by users to provide to their customers

- Order Requests

Provision for ordering requests for specific registered users.

DCI WARRANTY PROGRAM

The DINTEK 25yr System Warranty provides the recipient with the security and assurance of knowing that their installed DINTEK system will provide the performance they need to meet their long term networking needs.



The program offers a 25-year standards based system performance and application assurance warranty that applies to all certified and registered links in an installation project.

The program warrants that these links will meet minimum performance requirements as specified in the relevant Commercial Building Telecommunications Cabling Standards (ANSI/TIA 568 and IEC 11801). With this minimum requirement of performance, the end user is assured that their installed system will support networking applications today and into the future which have been designed to run on their cabling system.

If any certified links subsequently fail to meet specified performance requirements, the DINTEK warranty covers the repair or replacement of defective components and/or cable and the labor associated with this repair or replacement as per the terms of the warranty.

The requirements of the warranty program include verified compliance with the design, installation, maintenance and operation practices as well as test, labeling and administration procedures as specified in Commercial Building

Telecommunications Cabling Standards.

These minimum requirements ensure that all the links will provide the expected performance requirements and also help facilitate easy changes, additions and relocations which will decrease the end users total cost of ownership over time.

DINTEK
LAN CABLING SYSTEMS
25 Year Warranty
DINTEK Electronic Limited Warrants To

DINTEK ELECTRONICS LIMITED MAKES NO WARRANTY, EXPRESS, IMPLIED (INCLUDING, BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR INTENDED PURPOSE) OR SATISFACTORY, OTHER THAN THE FOREGOING EXPRESS WARRANTY.

IN NO EVENT WILL DINTEK ELECTRONICS LTD BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOST DATA, LOST POWER, TIME, PROFITS, REVENUES OR THE LIKE ARISING FROM THE LOSS OF USE OR INTERRUPTION OF A SYSTEM DUE TO FAULTY PRODUCT.

That each installed DINTEK product shall meet the prescribed mechanical and transmission specification for such product as described in ISO/IEC 11801, ANSI/TIA/EIA-568-B for a period of 25 years following the activation date.

DINTEK Electronics Ltd. warrants that the product installed is free from physical defects and the installation of these products is keeping and has met all the requirements set out by DINTEK Electronics international for correct methods and practices pertaining to the structured cabling system.

The Warranty will be void, if the products have been misused, damaged, abused, removed from the original site, or have been relocated within the origin site by technician that has not been certified by DINTEK Electronics Ltd. as being qualified to install DINTEK structured cabling system.

THE WARRANTY DESCRIBED ABOVE RELATES ONLY TO DINTEK PRODUCTS AS SEPARATE COMPONENTS AND IS NOT A WARRANTY THAT THE PRODUCTS WHEN COMBINED WITH OTHER THIRD PARTY PRODUCTS OR COMPONENTS IN A DATA OR COMMUNICATION SYSTEM, SHALL MEET ANY LEVEL OR SYSTEM PERFORMANCE.

Warranty ID No. _____
 Activation Date: _____
 Name of Customer: _____
 Installation Address: _____
 Installer Company: _____
 Installer: _____

Jason Chang
General Manager, DINTEK Electronics Ltd

DINTEK Certified Installer

DINTEK Certified Installers, or DCI's, are certified as being experienced in the installation of DINTEK Category 5e, Category 6, & Category 6a Structured Networks.

The DCI certificate assures the customer, that the installer knows how to install and fit off our products, as specified in the ANSI/TIA 568 standards for telecommunications cabling.

DCI TRAINING PROGRAM
25 YEAR WARRANTY SYSTEM
 SYSTEM PERFORMANCE
 APPLICATION ASSURANCE
 PRODUCT INTEGRITY

DINTEK ONLINE CAMPUS

Available through our online campus, is a variety of sales presentations, and cabling information. The campus is also an e-learning portal and re-testing centre for our DCI Installer Course participants

DINTEK eCampus | My courses | My DCI Information | 0 | Dintek

Apps | Social networks

Available courses

3 Day DCI Course - Tanzania 06th - 09th Oct 2015

Welcome to the Re-testing area of the Oct 6th 2015 DCI held in Dar es Salam, Tanzania. You will have either received a passcode at the time of attending the DCI course or will have been sent a passcode via email.

You have made it to this section as you wish to re-sit one or more of the tests regarding content taught in this course. Please choose the test you wish to re-take and use the assigned pass code to access this test.

PLEASE NOTE: The questions in this test will be similar, but also different to the ones you answered in the original DCI. If you have already sat one of these re-sit exams, please also note that the questions are shuffled and answer positions also shuffled with each attempt.

Site news

Add a new topic

PowerMAX7™ S/FTP Cable

DINTEK PowerMAX7™ Category7 cable is specifically designed to support current and future high speed network applications such as 10-Gigabit Ethernet.

The cable is constructed of 4 screened pairs and a drain wire. DINTEK PowerMAX7™ Category7 S/FTP cable eliminates alien crosstalk, gives excellent signal isolation and provides superior electromagnetic interference protection.

Application:

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice
- Power over Ethernet PoE++/4PPoE



Industry Standard:

- ISO/IEC11801 Class F, 2nd edition
- ANSI/TIA/EIA Cabling Standard 568-C.2
- Flame Retardancy is verified according to IEC 60332-1-2
- 3P Certified for Category 7 S/FTP installation Cable

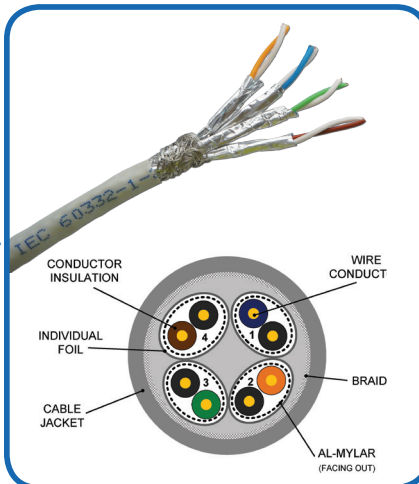
Cable Data:

- Twisted pair color code:
 - Pair 1 > blue, white/blue ring.
 - Pair 2 > orange, white/orange ring
 - Pair 3 > green, white/green ring
 - Pair 4 > brown, white/brown ring
- Conductor: 23AWG solid Bare copper 0.583mm±0.02mm
- Insulation material: Foam-Skin PE
- Diameter of dielectric core: 1.42±0.05mm
- Number of twist pairs: 4 pairs
- Individual Shielding: A layer of aluminum-foil laminated tape will be wrapped over the twinning, the aluminum side face-out.
- Assembly: 4 pairs of dielectric core shall be stranded in circular form.
- Overall Shielding: Tinned copper wire Braiding, normal with min. 40% coverage.
- Material of jacket: PVC/LSZH
- Overall Diameter: Ave 7.4±0.3mm
- Color: Assorted upon request

Product Electrical Characteristics:


- Spark test: 2000 ± 250 V ac
- Impedance: 125 ohms±20%(64KHz)
100 ohms±15%(1~500MHz)
- D.C.R (Max.) : 7.91 ohm /100m at 20°C
- D.C.R. Unbalance (Max.) : 2% MAX.
- Mutual Capacitance: nom. 5600pf/100m
- Capacitance, unbalance (Max.): 160 pF/100m
- DC Insulation Resistance (Min.): 150M ohm/km
- Dielectric Strength: 2500 Vdc / 3 seconds

P/N	Description	Jacket	Color	Std Pkg Qty
1105-05002	Cat.7 4P S/FTP Tinned copper braiding 23AWG solid cable	PVC	Gray	305M/Reel
1105-05004	Cat.7 4P S/FTP Tinned copper braiding 23AWG solid cable	LSZH	Violet	305M/Reel



→ Other colors are available upon request.

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	Power Sum Minimum dB/100m
1	2.0	80.0	77.0
4	3.7	80.0	77.0
10	5.9	80.0	77.0
16	7.4	80.0	77.0
20	8.3	80.0	77.0
31.25	10.4	80.0	77.0
62.5	14.9	75.5	72.5
100	19.0	72.4	69.4
155	24.0	69.5	66.5
200	27.5	67.9	64.9
300	34.2	65.2	62.2
600	50.1	60.7	57.7



Compliance Statement

**Screened Category 7
ISO/IEC, EN & Enhanced ANSI/TIA
Communication Cable**

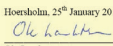
DINTEK Identification P/N 1105-05001X
Category 7, Individual Foil and Overall Foil Screened
100 ft, 4 Twisted Pairs, 23 AWG, Flame Retardant, LSZH, Copper Cable

DINTEK Electronic Ltd.
No.8, Lane 97, Wu-Kong Rd., Wu-Ku Industrial District,
Hsin Chuang, Taipei Hsien, Taiwan, R.O.C.

Compliance Statement No. 111659A

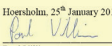
This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by 3P Third Party Testing and complies with the Category 7 performance requirements of edition 2.2 of ISO/IEC Generic Cabling Standard 11801, CENELEC Generic Cabling Standard EN 50174:2011 and 2nd edition IEC Cable Standard 61158-5, the Category 6A requirements of ANSI/TIA Generic Cabling Standard 568-C2 and the requirements of 2nd edition CENELEC Cable Standard EN 50388-4-1. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, Inc1. amendment 1, and IEC 60754-2. The cable has EMC Performance Rating 9. The Compliance Statement may be suspended or withdrawn if cable fails to pass a Maintenance Testing performed at 6 or 12 month intervals.

Hoersholm, 25th January 2012



Ole Laubertsen
Test Responsible

Hoersholm, 25th January 2012



Poul Villen
Coordinating Manager

Independent Testing - For End User Confidence

4 Pair U/UTP Cable

Application:

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice
- Power over Ethernet PoE+ /4PPoE

Industry Standard:

- ISO/IEC61156-5 2nd edition
- ANSI/TIA-568-C.2
- DELTA Certified for Category 6A U/UTP Horizontal Cable

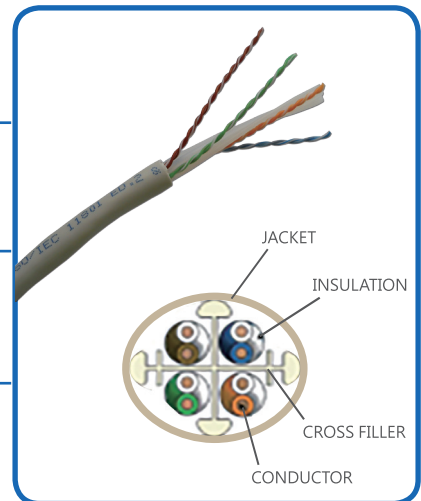
Cable Data:

- No. of Pairs:4
- Jacket Color:Gray
- Insulation material: HDPE
- Nom.O.D.:7.8*9.1±0.3mm
- Flame Rating:CM
- Transmission quality verified up to 500MHz
- Bulk Package: 305m/Reel
- Box Package: 305m/Reel-in-Box

Product Electrical Characteristics:

- Impedance:100±15 ohms(1~500MHz)
- Mutual Capacitance, max. nf/ 100m: 5.6
- DC Resistance, max. Ohms/ 100m: 9.38
- Capacitance, unbalance (Max.): 160 pF/100m

P/N	Description	Jacket	Color	Std Pkg Qty
1101-06003	Cat.6A, 4P, U/UTP 23AWG, Solid	PVC	Gray	305M/Reel
1101-06005	Cat.6A, 4P, U/UTP 23AWG, Solid	PVC	Gray	305M Reel-in-Box
1101-06007	Cat.6A, 4P, U/UTP 23AWG, Solid	LSZH	Violet	305M/Reel
1101-06008	Cat.6A, 4P, U/UTP 23AWG, Solid	LSZH	Violet	305M Reel-in-Box



→ Other colors are available upon request.

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	Power Sum Minimum dB/100m
1	2.1	74.3	72.3
10	5.9	59.3	57.3
100	19.1	44.3	42.3
200	27.6	39.8	37.8
250	31.1	38.3	36.3
300	34.3	37.1	35.1
400	40.1	35.3	33.3
500	45.3	33.8	31.8

F/UTP Patch Cord

Application:

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550 MHz Broadband video

Product Description:

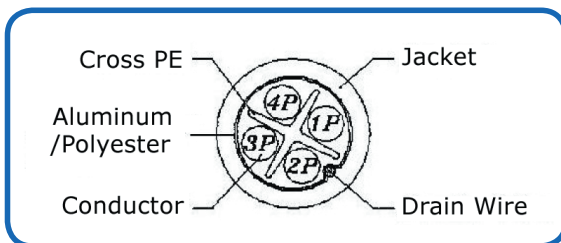
- 100% tested to meet ANSI/TIA-568-C.2 Cat.6A requirements
- Material of jacket: LSZH
- Flame Rating: CM
- Conductor: 26AWG(7x0.16mm) Stranded anneal copper wire
- Shielded RJ45 plug, 50u" gold plated over nickel
- Durability: 750 cycles min.
- Wiring: T568B

Industry Standard:

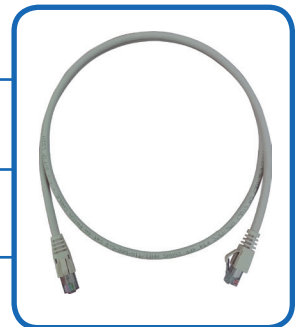
- UL Listed
- Meet ANSI/TIA-568-C.2 Cat.6A patch cable& component-level performance.

Electrical Characteristics(20°C):

- Impedance: 100±15 ohms
- Max. Conductor DC resistance: 128 Ohms/km
- Min. Insulation resistance: 100MΩ/km
- Dielectric Strength: AC-500V/1 Min



P/N	Description	Length(M)	Color	Std Ctn Qty
1201-06091	Cat.6A 4 pair F/UTP patch cord, LSZH Component level	1	Gray	150
1201-06092	Cat.6A 4 pair F/UTP patch cord, LSZH Component level	2	Gray	100
1201-06093	Cat.6A 4 pair F/UTP patch cord, LSZH Component level	3	Gray	80
1201-06095	Cat.6A 4 pair F/UTP patch cord, LSZH Component level	5	Gray	50



→ Please contact us for any customized requirements.

19" CAT.6A UTP Tray Patch Panel

Features:

- Designed to be quick and easy to install and terminate
- Compatible with CAT.6A component performance (ANSI/TIA-568-C.2)

Physical:

- 110 type IDC termination
- Housing: High-impact, FLAME-RETARDANT plastic, UL94V-0 rated, spring wire/contact blades.
- Contact material: Phosphor bronze alloy
- Contact plating: 50u" gold plated over 100u"nickel.
- Wiring: T568A/B

Industry Standard:



- Meet all requirement specified in connecting hardware requirement of ISO/IEC 11801, Category 6A
- IEC 60603-7-51
- ANSI/TIA-568-C.2, Category 6A
- UL 1863 safety listed
- ETL verified
- UL 94V-0 flammability standard

Mechanical:

- Insertion / Extraction Life:750 Cycles Min.
- Accept 22~24AWG, stranded or solid wire

Electrical:

- Insulation resistance: 500Mega-ohms min.
- Contact resistance:20 milli-ohms max.
- Dielectric with standing voltage: 1000V, RMS, 60Hz, 1min.

P/N	Description	Std Pkg Qty
1406-05002	Cat.6A 19" UTP Tray patch panel 24 ports, 1U size	1
		
1406-05004	Cat.6A 19" UTP Tray patch panel High Density 48 ports, 1U size	1
		

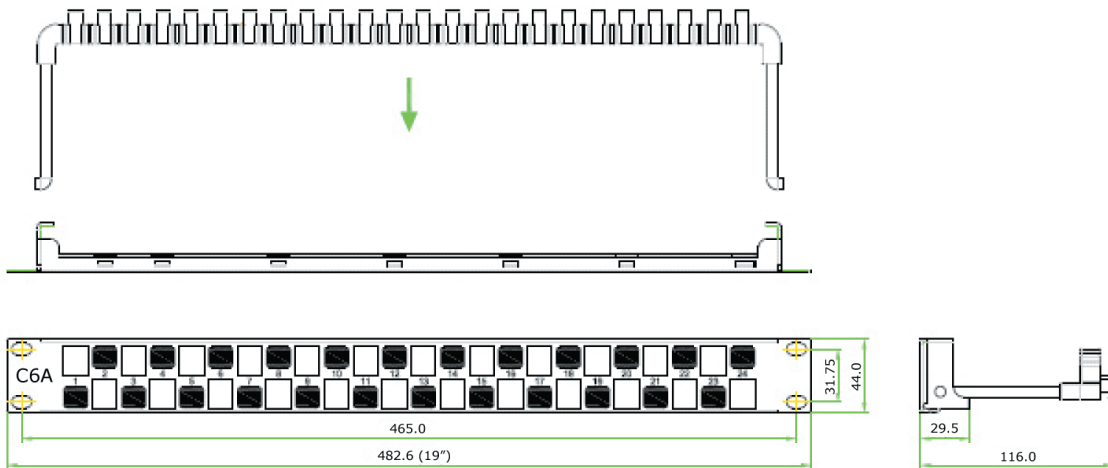
19" CAT.6A UTP Snap-in type Blank panel

Application:

- Compatible with DINTEK 10G UTP Keystone jack

Physical:

- PLATE:SPCC-SPCC 16G
- UTP Snap-in type
- Printed port number and white writing labeling
- Rotatable cable manager
- Stagger port positioned design to reduce Alien cross talk



P/N	Description	Std Ctn Qty
1406-00011	Patch panel.19" rack mount for Cat.6A.UTP.Snap-in type. rotatable cable manager 1U 24P metal black.	12

E/F Jacks

Industry Standard:

- UL Listed
- Meet all requirements in connecting hardware requirement of ANSI/TIA-568-C.2 Cat.6A

Physical:

- Multi use E/F Jacks can be used in E/F Tools and also punch down tool
- Jack wiring: Phosphor Bronze plated with 50u" gold over 100 u" nickel
- IDC: Phosphor Bronze plated with 100u" Sn Alloy
- Housing: High impact flame retardant plastic UL94V-0 rated

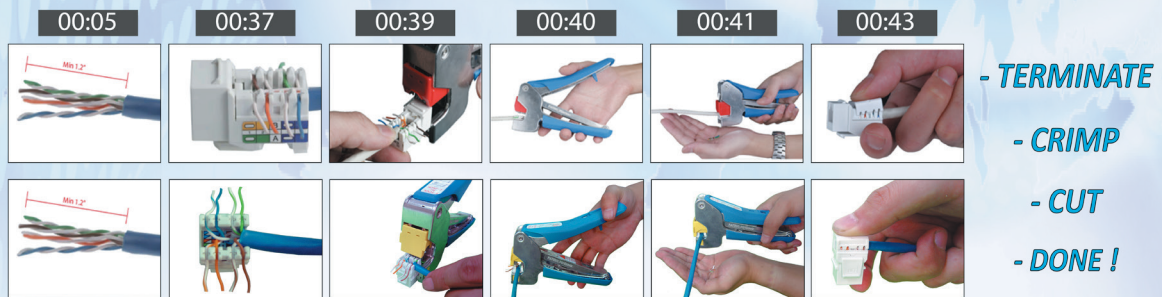
Mechanical:

- Plug insertion life: 750 cycle min.
- IDC connector accepts 22-24 AWG solid wire

Electrical:

- Current rating: 1.5 Amps
- Insulation resistance: 500 Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- Dielectric with standing voltage: 1000V, RMS, 60Hz, 1min.
- Transmission quality verified up to 500MHz

AS LITTLE AS 43 SECONDS FROM START TO FINISH !



P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-05008	Cat.6A horizontal type Keystone E-Jack, T568A/ B, white Component level	100	600
6103-01005	E-Tool, for horizontal type Keystone E-Jacks	15	30
1305-05009	Cat.6A vertical type Keystone F-Jack, T568A/ B, white Component level	100	600
1305-05020	Cat.6A vertical type Keystone F-Jack with shutter, T568A/ B white, Component level	100	600
6103-01006	F-Tool, for vertical type Keystone F-Jacks	15	30

Keystone Jack

Application:

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550 MHz Broadband video

Physical:

- UTP 90° High density
- 110 type IDC termination
- Accept 22~24AWG, stranded or solid wire
- Metalized cap design to reduce Alien cross talk
- Comply with FCC part 68 Subpart F and IEC 60603-7
- Housing: High-impact, FLAME-RETARDANT plastic, UL94V-0 rated, spring wire/contact blades.
- Contact material: Phosphor bronze alloy
- Contact plating: 50u" gold plated over 100u"nickel.
- Wiring: T568A/B

Industry Standard:

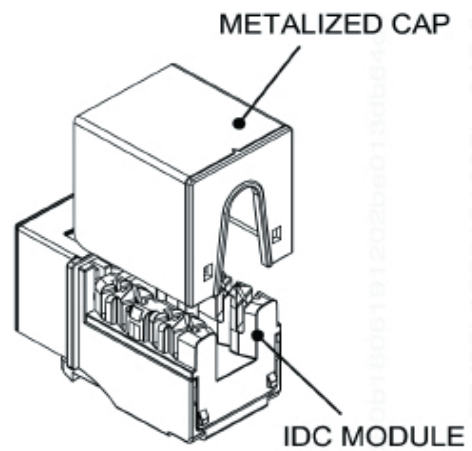
- UL Listed
- Meets IEEE 802.3 ab Specification
- 3P Certified for Category 6A Screened Four Connector Channel

Mechanical:

- Plug insertion life:750 cycle min.
- Plug retention force:50N for 60sec.

Electrical:

- Current rating:1.5 Amps
- Insulation resistance: 500Mega-ohms min.
- Contact resistance:20 milli-ohms max.
- Dielectric with standing voltage: 1000V, RMS, 60Hz, 1min.
- Transmission quality verified up to 500MHz

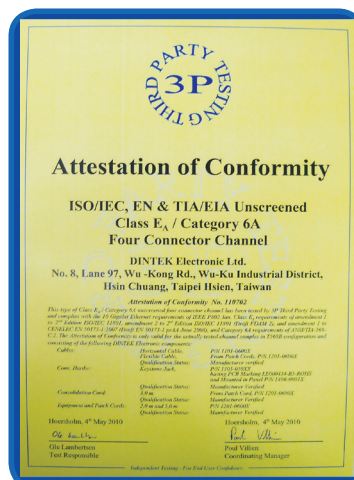


P/N	Description	Std Pkg Qty	Std Ctn Qty
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1305-05001	Cat.6A horizontal type Keystone Jack, T568A/ B	100	600
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3P Verified - ISO/IEC, EN& TIA/EIA Unscreened Class E /Category 6A Four Connector Channel



4 Pair S/FTP & U/FTP Cable

Application:

- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice
- Power over Ethernet PoE+/4PPoE

Industry Standard:

- UL/cUL Listed
- ISO/IEC61156-5 2nd edition
- ANSI/TIA-568-C.2
- 3P Certified for Category 6A Screened Four Connector Channel

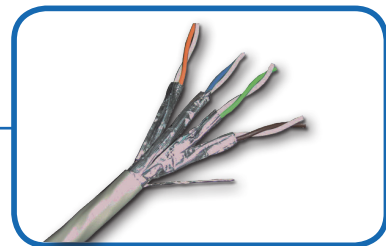
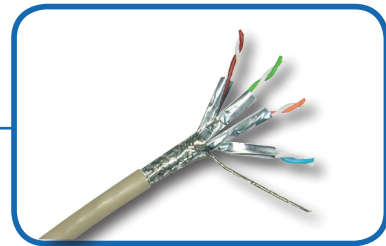
Cable Data:

- No. of Pairs:4
- Individual Shielding: A layer of aluminum-foil laminated tape will be wrapped over the twinning, the aluminum side face-out.
- Overall Shielding: Tinned copper wire Braiding, normal with min. 40% coverage.
- Material of jacket: PVC/LSZH
- Nom.O.D.:Ave 7.4±0.3mm
- Flame Rating:CM
- Transmission quality verified up to 500MHz
- Bulk Package: 305m/reel

Product Electrical Characteristics:

- Impedance:125 ohms±20%(64KHz)
100 ohms±15%(1~500MHz)
- Mutual Capacitance, max. nf/ 100m: 5.6
- Capacitance, unbalance (Max.): 330 pF/100m
- DC Insulation Resistance (Min.): 150M ohm/km
- Dielectric Strength: 2500 Vdc / 3 seconds

P/N	Description	Jacket	Color	Std Pkg Qty
1105-06001	Cat.6A 4P S/FTP with braiding 23AWG solid cable	PVC	Gray	305M/Reel
1105-06011	Cat.6A 4P S/FTP with braiding 23AWG solid cable	LSZH	Violet	305M/Reel
1105-06003	Cat.6A 4P U/FTP w/o braiding 23AWG solid cable	PVC	Gray	305M/Reel
1105-06021	Cat.6A 4P U/FTP w/o braiding 23AWG solid cable	LSZH	Violet	305M/Reel



→ Other colors are available upon request.

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	Power Sum Minimum dB/100m
1	2.1	74.3	72.3
10	5.9	59.3	57.3
100	19.1	44.3	42.3
200	27.6	39.8	37.8
250	31.1	38.3	36.3
300	34.3	37.1	35.1
400	40.1	35.3	33.3
500	45.3	33.8	31.8

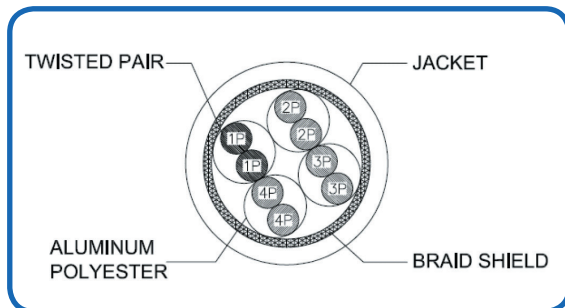
S/FTP Patch Cord

Application:

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550 MHz Broadband video

Industry Standard:

- UL Listed
- Meet ANSI/TIA-568-C.2 Cat.6A patch cable& component-level performance.

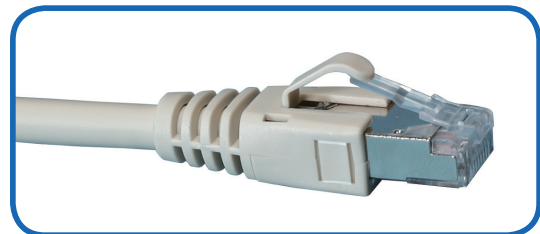


Product Description:

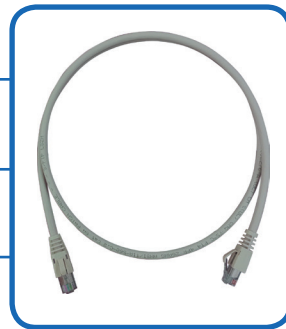
- 100% tested to meet ANSI/TIA-568-C.2 Cat.6A requirements
- Individual Shielding: Aluminum/Polyester
- Overall Shielding: Tinned copper wire Braiding
- Material of jacket: LSZH
- Flame Rating: CM
- Conductor: 26AWG(7x0.16mm) Stranded anneal copper wire
- Shielded RJ45 plug, 50u" gold plated over nickel
- Durability: 750 cycles min.
- Wiring: T568B

Product Electrical Characteristics:

- Impedance: 100±15 ohms
- Max. Conductor DC resistance: 128 Ohms/km
- Min. Insulation resistance: 100MΩ/km
- Dielectric Strength: AC-500V/1 Min



P/N	Description	Length(M)	Color	Std Ctn Qty
1201-06096	Cat.6A 4 pair S/FTP patch cord, LSZH Component level	1	Gray	150
1201-06097	Cat.6A 4 pair S/FTP patch cord, LSZH Component level	2	Gray	100
1201-06098	Cat.6A 4 pair S/FTP patch cord, LSZH Component level	3	Gray	80
1201-06099	Cat.6A 4 pair S/FTP patch cord, LSZH Component level	5	Gray	50



- Please contact us for any customized requirements.

19" CAT.6A FTP Tray Patch Panel

Features:

- Designed to be quick and easy to install and terminate
- Compatible with CAT.6A component performance (ANSI/TIA-568-C.2)

Physical:

- Shell: Zinc alloy full shielded.
- 110 type IDC termination
- Housing: High-impact, FLAME-RETARDANT plastic, UL94V-0 rated, spring wire/contact blades.
- Contact material: Phosphor bronze alloy
- Contact plating: 50u" gold plated over 100u"nickel.
- Wiring: T568A/B

Industry Standard:

- Meet all requirement specified in connecting hardware requirement of ISO/IEC 11801, Category 6A
- IEC 60603-7-51
- ANSI/TIA-568-C.2, Category 6A
- UL 1863 safety listed
- ETL verified
- UL 94V-0 flammability standard

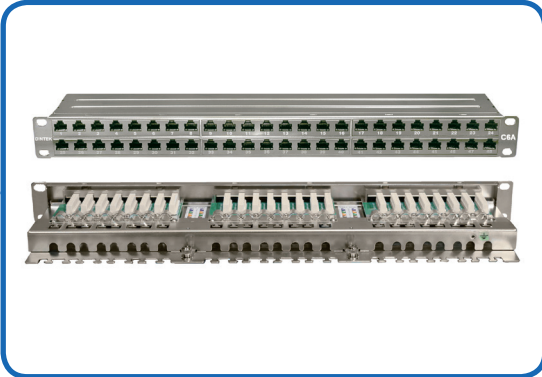
Mechanical:

- Insertion / Extraction Life:750 Cycles Min.
- Accept 22~24AWG, stranded or solid wire

Electrical:

- Insulation resistance: 500Mega-ohms min.
- Contact resistance:20 milli-ohms max.
- Dielectric with standing voltage: 1000V, RMS, 60Hz, 1min.

P/N	Description	Std Pkg Qty
1406-05003	19" Cat.6A FTP Tray patch panel 24P metal, 1U size	1
1406-05005	19" Cat.6A FTP Tray patch panel High Density 48P metal, 1U size	1



ezi-PANEL™

DINTEK's ezi-PANEL products offer a flexible high performance, modular system which is ideally suited to Data Centre environments and general office/commercial networks. These products allow for faster installation of backbone cabling links. Our ezi-PANEL products are ideally suited to the data centre where between distribution racks and equipment racks need to be quickly and efficiently installed.

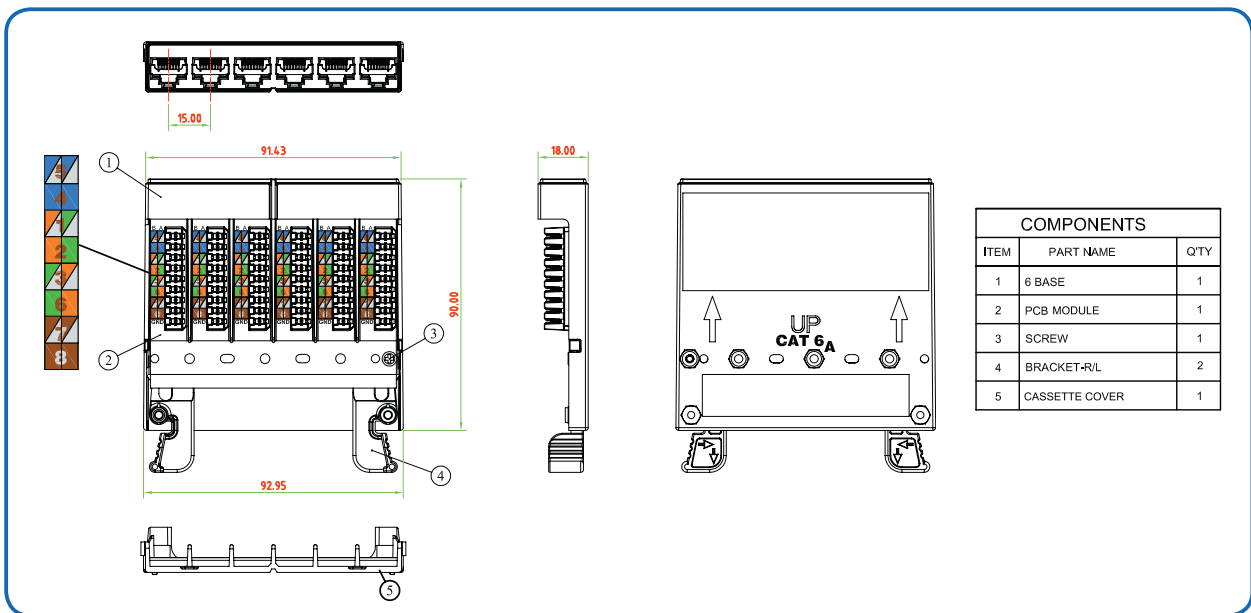
Feature:

- Pre-terminated and tested in facility
- Faster & Easier installation on field
- High density design



Industry Standard:

- Meets ISO/IEC 11801 & ANSI/TIA-568-C.2 standards
- FTP solution : Compatible with ISO/IEC 11801 & ANSI/TIA-568-C.2 CAT 6A component performance



P/N	Description	Std Pkg Qty
1310-03001	Cat.6A 6 Port Cassette Fully Shielded, Component level	-
1408-03001	1U 4-cassette (24-Port)	1
1408-04001	1U 8-cassette (48-Port)	1

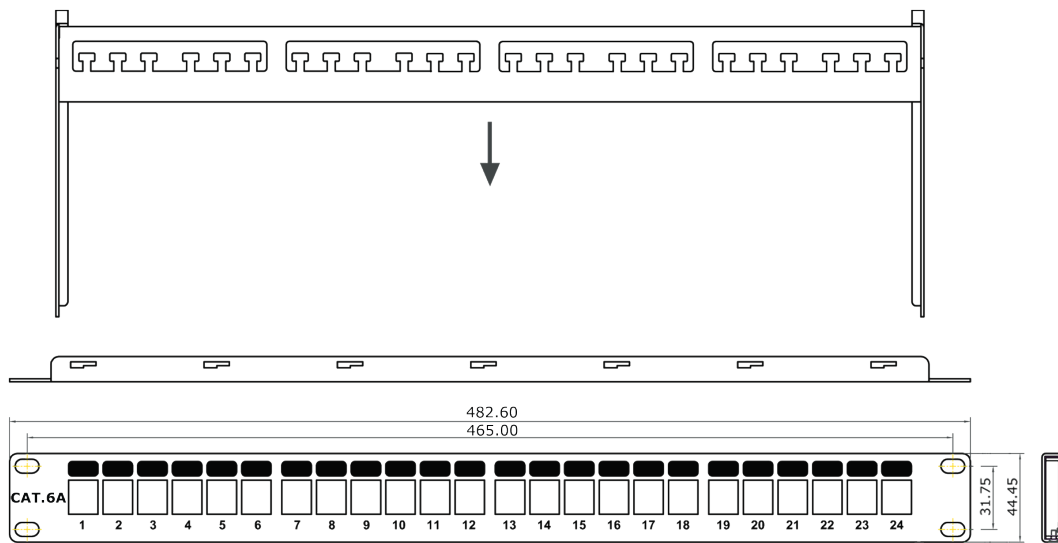
19" CAT.6A FTP Snap-in type Blank panel


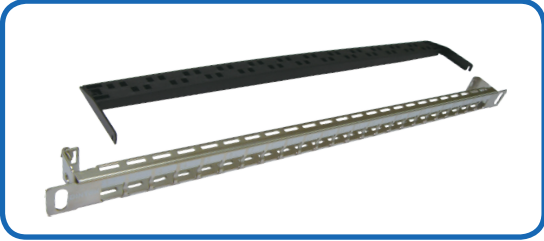
Application:

- Compatible with DINTEK 10G FTP Keystone jack

Physical:

- Shell: Zinc alloy full shielded.
- PLATE: SPCC-SPCC 16G
- FTP Snap-in type
- Printed port number and white writing labeling
- Cable manager



P/N	Description	Std Ctn Qty	
1406-00012	19" Cat.6A FTP Snap-in type blank panel, with cable management, 1U 24P metal	10	
1406-00032	19" Cat.6A FTP Snap-in type blank panel, with cable management, 0.5U 24P metal	15	

Fully Shielded Keystone F-Jack

Transmission performance:

- Meets ANSI/TIA-568-C.2 Cat.6A connecting hardware requirements

Mechanical:

- Insertion/Extraction life: 750 cycles min.
- 110 type IDC connector accepts 22-24 AWG solid wire.
- Can be used in F Tool and also punch down tool

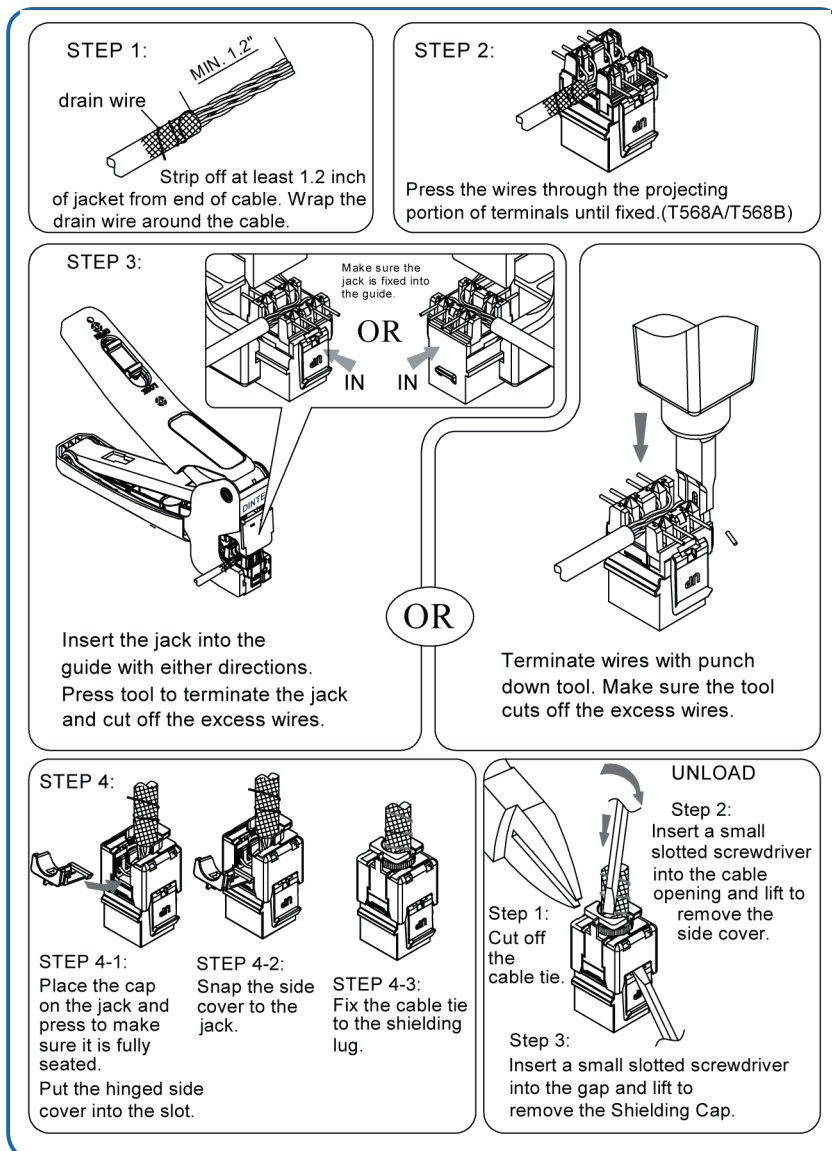
Electrical:

- Electrical insulation resistance: 500 Mega-ohms min.
- Dielectric with standing voltage: 1,000 V, RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C

Physical:

- Housing: Zinc alloy fully shielded
- Spring wire: Phosphor Bronze alloy Plated 50u" gold over 100u" nickel.

P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-05010	Cat.6A vertical type, fully shielded keystone F-Jack, T568A/ B, Component level	100	600



Fully Shielded Toolless Keystone Jack

Application:

- Voice; T1; ISDN
- 10BASE-T (IEEE 802.3)
- 16Mbps Token Ring (IEEE802.5)
- 100VG-AnyLAN (IEEE802.12)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Mbps Gigabit Ethernet
- 550 MHz Broadband video

Physical:

- FTP 90° High density
- Toolless, easy termination, no punch down tool needed.
- Accept 22~24AWG, stranded or solid wire
- Diecasting housing design.
- Comply with FCC part 68 Subpart F and IEC 60603-7
- Housing: High-impact, FLAME-RETARDANT plastic, UL94V-0 rated, spring wire/contact blades.
- Contact material: Phosphor bronze alloy
- Contact plating: 50u" gold plated over 100u"nickel.
- Shell:Ninc alloy full shielded
- Wiring: T568A/B

Industry Standard:

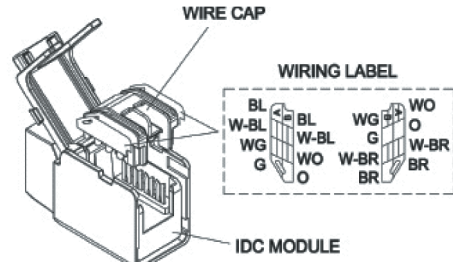
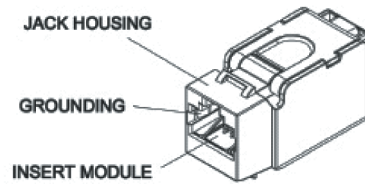
- UL Listed
- Meets IEEE 802.3 ab Specification
- High performance, exceeds ANSI/TIA-568-C.2 connecting hardware performance.

Mechanical:

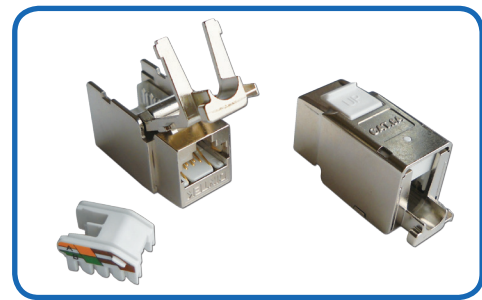
- Plug insertion life:750 cycle min.
- Plug retention force:50N for 60sec.

Electrical:

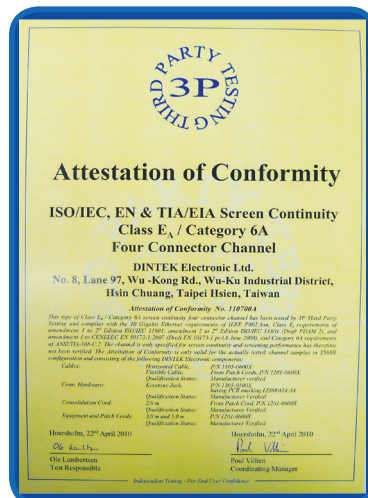
- Current rating:1.5 Amps
- Insulation resistance: 500Mega-ohms min.
- Contact resistance:20 milli-ohms max.
- Dielectric with standing voltage: 1000V, RMS, 60Hz, 1min.
- Transmission quality verified up to 500MHz



P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-05004	Cat.6A horizontal type fully shielded Toolless keystone Jack, T568A/ B, Component level	100	600



3P Verified - ISO/IEC, EN& TIA/EIA Screened Continuity Class E/ Category 6A Four Connector Channel



4 Pair U/UTP Cable

Application:

- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video
- Power over Ethernet PoE / PoE+

Industry Standard:

- UL, ETL Verified
- ANSI/TIA-568-C.2
- ISO/IEC 11801
- EN 50173


Cable Data:

- No. of Pairs:4
- Jacket Color:Gray
- Insulation Thickness: 0.22mm
- Nom.O.D.:6.2mm
- Flame Rating:CM
- Transmission quality verified up to 250MHz

Product Electrical Characteristics:

- Impedance:100±15 ohms
- Mutual Capacitance, max. nf/ 100m: 5.6
- DC Resistance, max. Ohms/ 100m: 9.38
- Capacitance Unbalance: 160pf/ 100m max.

P/N	Description	Jacket	Color	Std Pkg Qty
1101-04441	Cat.6, 4P, U/UTP, 23AWG, Solid	PVC	Gray	305M/ Pull Box
1101-04051	Cat.6, 4P, U/UTP, 23AWG, Solid	LSZH	Violet	305M/ Pull Box



→ Other colors are available upon request.

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	Power Sum Minimum dB/100m	ELFEXT (dB/ 100m)
1	1.9	65.0	62.0	67.8
4	3.5	64.1	61.8	55.8
10	5.5	57.8	55.5	47.8
16	7.0	54.6	52.2	43.7
20	7.9	53.1	50.7	41.8
31.25	10.0	50.0	47.5	37.9
62.5	14.4	45.1	42.7	31.9
100	18.6	41.8	39.3	27.8
200	27.4	36.9	34.3	21.8
250	31.1	35.3	32.7	19.8

U/UTP Patch Cord

Application:

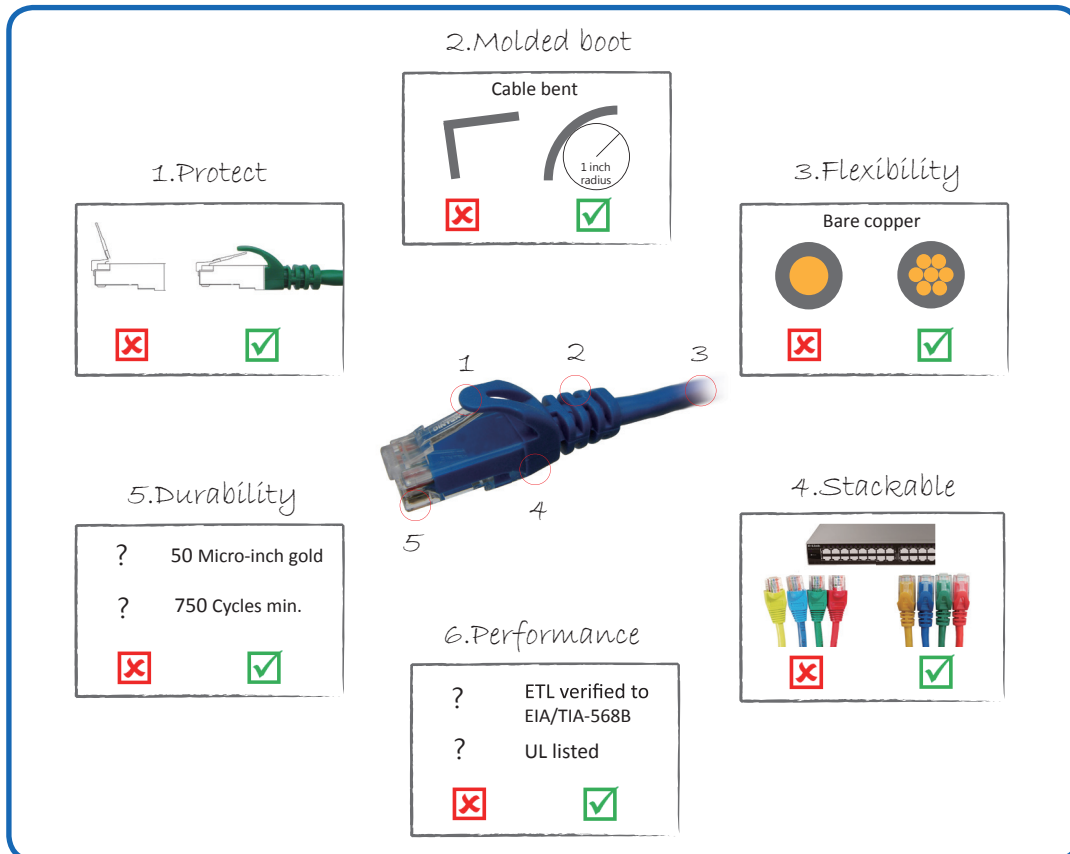
- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video

Product Description:

- Molded boots prevent pin from bending and cables from kinking
- Fully tested to meet ANSI/TIA-568-C.2 Category 6 requirements
- Jacket: PVC, flame retardant CM grade
- Stranded 24AWG wires provides maximum flexibility
- ETL verified to ANSI/TIA-568-C.2 specifications
- UL listed
- Wiring: T568B

Industry Standard:

- ETL Verified
- ANSI/TIA-568-C.2
- ISO/IEC 11801
- EN 50173



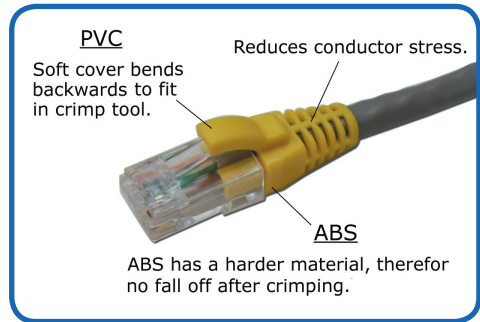
P/N	Description	Length(M)	Color	Std Ctn Qty
1201-04174	Cat.6 4 pair U/UTP patch cord	1	Gray	200
1201-04175	Cat.6 4 pair U/UTP patch cord	2	Gray	150
1201-04176	Cat.6 4 pair U/UTP patch cord	3	Gray	100
1201-04184	Cat.6 4 pair U/UTP patch cord	5	Gray	70



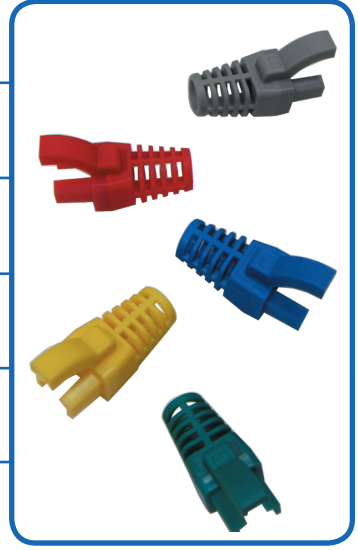
→ Please contact us for any customized requirements.

Color-Coded Boots

- Maintains proper bend radius, especially on stranded cable.
- Simplify cable management and trouble shooting
- Stackable design for high density modular jacks in Hub.
- Color: Red, Orange, Yellow, Green, Blue, Gray



P/N	Description	Std Pkg Qty	Std Ctn Qty
1601-02011	Red color-coded boots (6.3Φ)	1000	6000
1601-03008	Orange color-coded boots (6.3Φ)	1000	6000
1601-04010	Yellow color-coded boots (6.3Φ)	1000	6000
1601-05010	Green color-coded boots (6.3Φ)	1000	6000
1601-06011	Blue color-coded boots (6.3Φ)	1000	6000
1601-08013	Gray color-coded boots (6.3Φ)	1000	6000



RJ-45 Plugs

Specification:

Material and Finish

- Housing: Polycarbonate
- Contact: Copper alloy 50u" gold over nickel

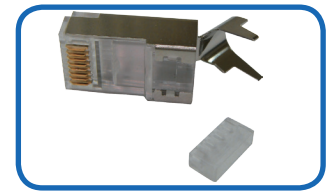
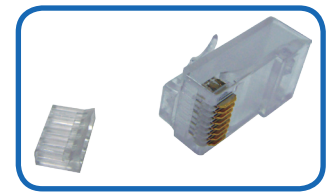
Mechanical

- Cable-to-Plug tensile Round & flat cable available
- Strength: 20 lbs. min.
- Durability: 750 cycles min.

Function Description:

- Exceeds TIA/EIA-568B requirements for 4 pair application
- Exceeds NEXT requirements for Cat.6 cables

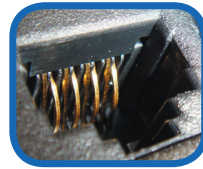
P/N	Description	Std Pkg Qty	Std Ctn Qty
1501-88027	RJ45 plug for unshielded solid wire 26-23AWG (3 prong).	1000	6000
1501-88028	Include a conductor load bar to keep the integrity of the twisted pairs. RJ45 plug for unshielded solid wire 26-23AWG (3 prong)	1000	6000
1501-88046	Include a conductor load bar to keep the integrity of the twisted pairs. RJ45 plug for shielded solid/stranded wire 26-22AWG (3 prong)	800	4800



19" Patch Panel

110 Enhanced Cat.6 Patch Panel:

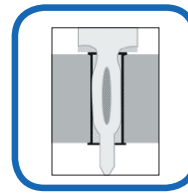
- UL Listed
- High performance, exceeds ANSI/TIA-568-C.2 Category 6 Hardware transmission performance
- 110 and Krone dual type IDC termination
- 19" 24 port patch panel, 1U size & 48 port panel, 2U size
- Accepts 22-26 AWG, stranded or solid wire
- Wiring:T568A/ B
- Optional rear cable manager



High-low contact design improves transmission performance



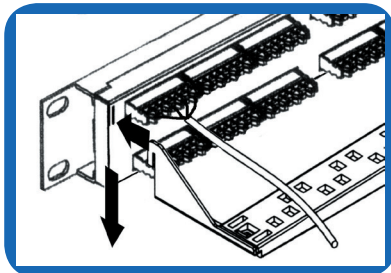
IDC connector with large spacer for each pair to improve crosstalk



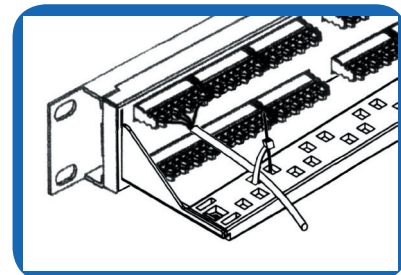
Press fit IDC connector terminal for high frequency application

P/N	Description	Std Ctn Qty
1402-04011	Cat.6 19" 110/ krone dual type Patch Panel 24 ports, 1U size with color label, Component level	25
1402-04012	Cat.6 19" 110/ krone dual type Patch Panel 48 ports, 2U size Component level	10
1499-00005	19" Rear cable management	45

Installing the wire management



Step 1.
Align the tongue of the minder with the corresponding groove on the patch panel and insert it into the groove.



Step 2.
After installing two jacks, use a tie wrap to attach wires to the wire manager. Do not over tighten the tie wrap! It crushes the wires. Continue this until all the jacks have been installed.

19" Patch45 Panel

Features:

- Meet ANSI/TIA-568-C.2 Cat.6 15M Short Link requirements
- 110 type IDC termination
- 19" 24 port patch panel, 1U size & 48 port panel, 2U size.
- Accept 22~24AWG, stranded or solid wire
- Short contact design to improve transmission performance.
- Modular jack meet FCC part 68
- Wiring: T568A/B
- Optional rear cable management

Industry Standard:

- UL Listed
- ANSI/TIA-568-C.2
- ISO/IEC 11801
- EN 50173

Physical:

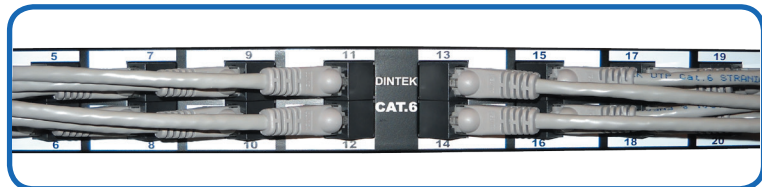
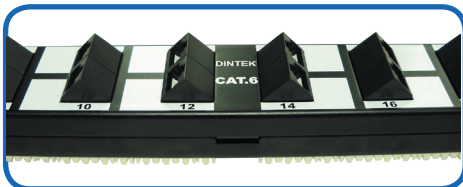
- Housing: High-impact, flame-retardant plastic, UL94V-0 rated.
- Contact material: Phosphor Bronze Alloy.
- Plating: 50u" gold plated over 100u" nickel.
- Plate: SPCC-SD 16G.

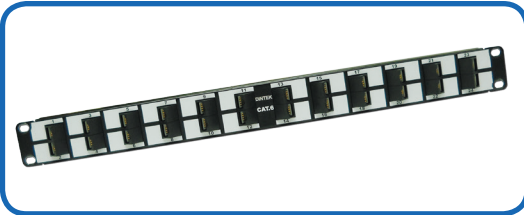
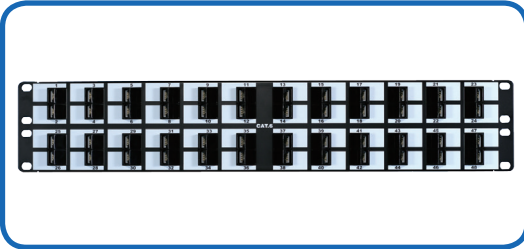
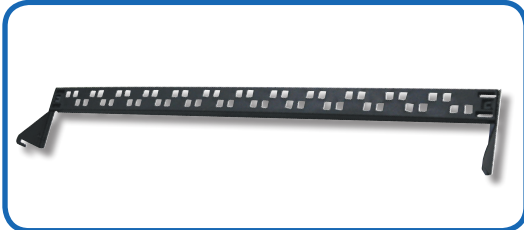
Mechanical:

- Insertion/Extraction life: 750 cycles min.
- Number of IDC terminations: 200 cycles min.

Electrical:

- Insulation resistance: 500 Mega ohms min.
- Dielectric with standing voltage: 1,000 Volts , RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C



P/N	Description	Std Ctn Qty	
1401-04004	Cat.6 19" 110 type Patch45 Panel 24 ports, 1U size Component level	25	
1401-04003	Cat.6 19" 110 type Patch45 Panel 48 ports, 2U size Component level	10	
1499-00005	19" rear cable management	45	

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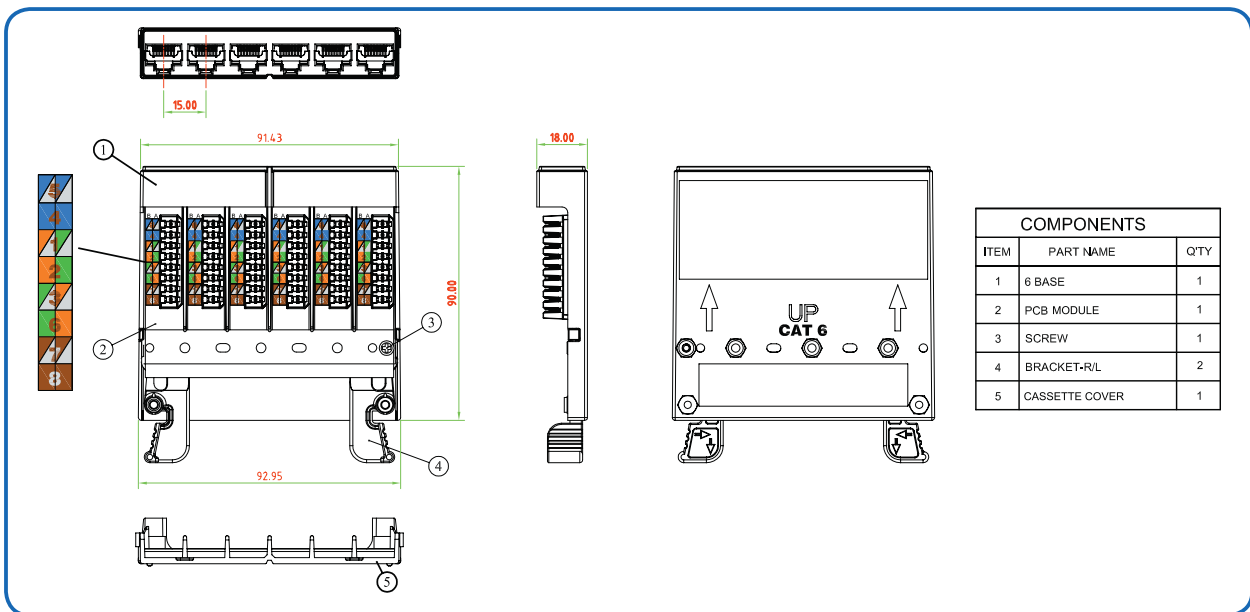
Feature:




- Pre-terminated and tested in facility
- Faster & Easier installation on field
- High density design



Industry Standard:

- Meets ISO/IEC 11801 & ANSI/TIA-568-C.2 standards
- UTP solution : Compatible with ISO/IEC 11801 & ANSI/TIA-568-C.2 CAT 6 component performance



P/N	Description	Std Pkg Qty	
1310-01001	Cat.6 6 Port Cassette Component level	-	
1408-03001	1U 4-cassette (24-Port)	1	
1408-04001	1U 8-cassette (48-Port)	1	

E/F Jacks

Industry Standard:

- UL Listed
- High performance, exceeds ANSI/TIA-568-C.2 Category 6 Hardware transmission performance

Physical:

- Multi use E/F Jacks can be used in E/F Tools and also punch down tool
- 110 type IDC termination
- IDC connector accepts 22-24 AWG solid wire
- Jack wiring: 50 u" gold plated over 100 u" nickel
- Housing: High impact flame retardant plastic UL94V-0 rated

Mechanical:

- Plug insertion life: 750 cycle min.
- Plug retention force: 50N for 60sec.

Electrical:

- Current rating: 1.5 Amps
- Insulation resistance: 500 Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- DC resistance: 0.1 ohms max.
- Transmission quality verified up to 250MHz

P/N	Description	Std Pkg Qty	Std Ctn Qty	
1305-04017	Cat.6 horizontal type Keystone E-Jack, T568A/ B, white	100	600	 
1305-04031	Cat.6 horizontal type Keystone E-Jack, T568A/ B, blue	100	600	
1305-04034	Cat.6 horizontal type Keystone E-Jack, T568A/ B, green	100	600	
1305-04032	Cat.6 horizontal type Keystone E-Jack, T568A/ B, red	100	600	
1305-04033	Cat.6 horizontal type Keystone E-Jack, T568A/ B, yellow	100	600	
1305-04042	Cat.6 vertical type Keystone F-Jack, T568A/ B, white	100	600	
1305-04049	Cat.6 vertical type Keystone F-Jack, T568A/ B, black	100	600	
1305-04043	Cat.6 vertical type Keystone F-Jack with shutter, T568A/ B, white	100	600	
1305-04044	Cat.6 vertical type Keystone F-Jack with shutter, T568A/ B, blue	100	600	
1305-04046	Cat.6 vertical type Keystone F-Jack with shutter, T568A/ B, green	100	600	
1305-04047	Cat.6 vertical type Keystone F-Jack with shutter, T568A/ B, red	100	600	
1305-04045	Cat.6 vertical type Keystone F-Jack with shutter, T568A/ B, yellow	100	600	

→ Please contact us for any other colors.

E/F Tools

Features:

- All-in-one Punch down and wire trim process
- E/F Tools can be used for Cat5e ,Cat6 or Cat6A E/F Jacks
- Ideal for saving time and maximizing profit

Physical:

- Material: Latch/Frame:PC
- Base/Handle/Bar: Aluminum Alloy

P/N	Description	Std Pkg Qty	Std Ctn Qty
6103-01005	E-Tool, for horizontal type Keystone E-Jacks	15	30
6103-01006	F-Tool, for vertical type Keystone F-Jacks	15	30



E/F Tool™ System

THE QUICK CONNECT RJ45 SOLUTION



Do you spend too much time fitting off keystones?

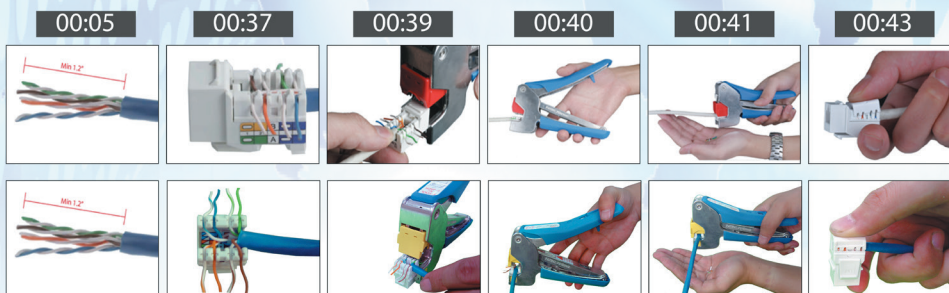
Life would be much simpler if you could fit off either cat5e, cat6 or cat 6a keystones with one tool that terminates wires and cuts off trim in one action.

DINTEK has the solution...

Introducing The E-Tool™ Connection Products from DINTEK Electronic Ltd.



AS LITTLE AS 43 SECONDS FROM START TO FINISH !



- TERMINATE
- CRIMP
- CUT
- DONE !

Keystone Jack

Industry Standard:

- UL Listed
- High performance, exceeds ANSI/TIA-568-C.2 Category 6 Hardware transmission performance
- Meets FCC parts 68
- ANSI/TIA-568-C.2
- ISO/IEC 11801

Physical:

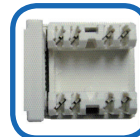
- IDC connector accepts 22-26 AWG solid wire
- Jack wiring: 50 u" gold plated over 100 u" nickel
- Housing: High impact flame retardant plastic UL94V-0 rated
- IDC connector suitable for 110 punch down and Krone tool

Mechanical:

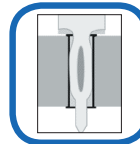
- Plug insertion life: 750 cycle min.
- Plug retention force: 50N for 60sec.

Electrical:

- Current rating: 1.5 Amps
- Insulation resistance: 500 Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- DC resistance: 0.1 ohms max.
- Transmission quality verified up to 250MHz

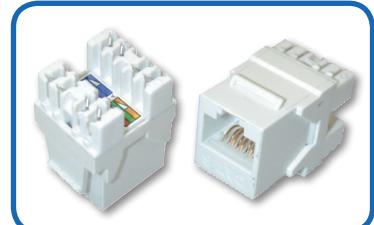


IDC connector with large space between each pair to improve crosstalk

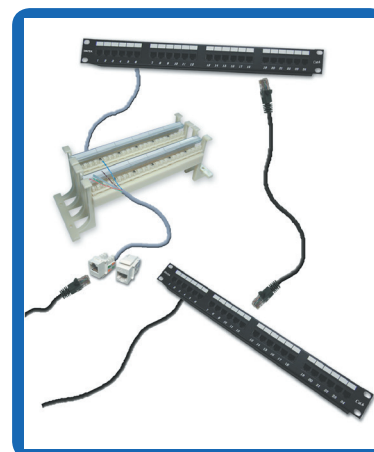
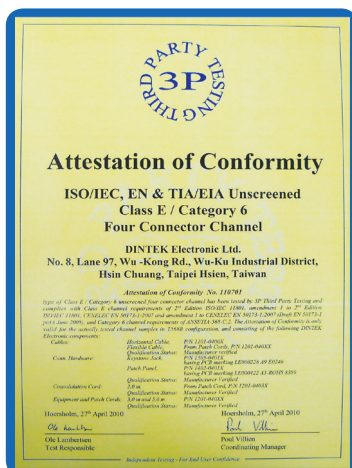


Press fit IDC connector terminal for high frequency application

P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-04012	Cat.6 110/ Krone horizontal type Keystone Jack, T568A/ B Component level	100	600
1305-04013	Cat.6 110/ Krone vertical type Keystone Jack, T568A/ B Component level	100	600

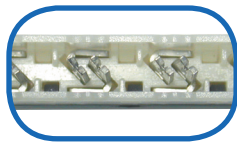


3P Verified - ISO/IEC, EN& TIA/EIA Unscreened Class E/Category 6 Four Connector Channel

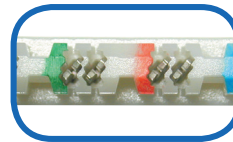


110 Cross-Connect Block

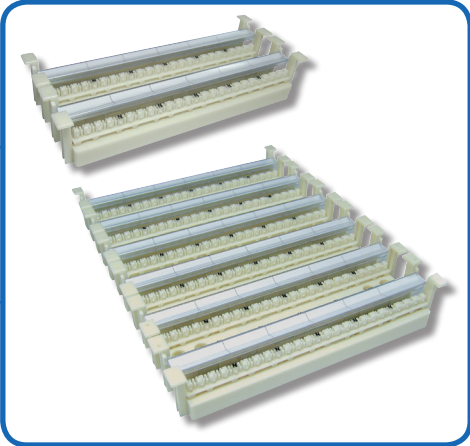
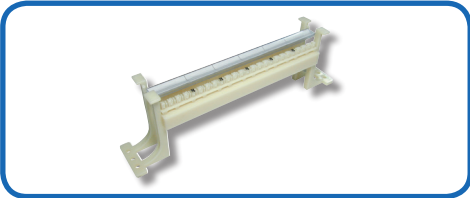
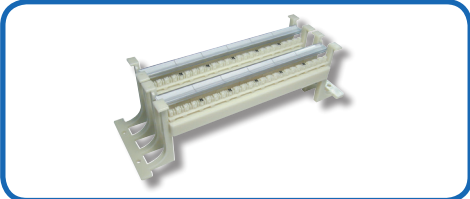
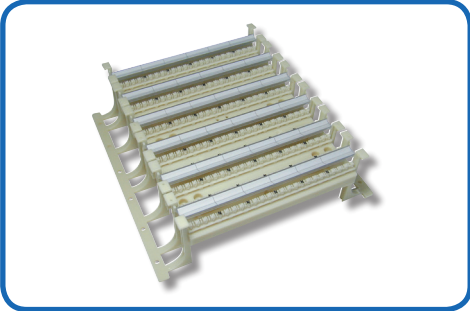

- Exceeds ANSI/TIA-568-C.2 category 6 standard
- Ideal for use in cross connections and consolidation point applications
- Highly visible color-coded wiring slots for easy wiring
- Mounts to standard TIA/EIA 19" racks
- Available with or without mounting legs for a variety of mounting options
- Can be terminated with single or multiple position punch down tools



Large space between each pair to improve crosstalk



Color-coded design for easy wiring

P/N	Description	Std Ctn Qty	
1802-01006	Cat.6 Wiring blocks w/o mounting legs, w/ label holder, w/ 4 pair connecting blocks, 48pair	-	
1802-02003	Cat.6 Wiring blocks w/o mounting legs, w/ label holder, w/ 4 pair connecting blocks, 96pair	-	
1802-04001	Cat.6 Wiring blocks w/o mounting legs, w/ label holder, w/ 4 pair connecting blocks, 288pair	-	
1801-01004	Cat.6 Wiring blocks w/mounting legs, w/ label holder, w/ 4 pair connecting blocks, 48pair	-	
1801-02004	Cat.6 Wiring blocks w/mounting legs, w/ label holder, w/ 4 pair connecting blocks, 96pair	-	
1801-04001	Cat.6 Wiring blocks w/mounting legs, w/ label holder, w/ 4 pair connecting blocks, 288pair	-	
1804-03003	Cat.6 connecting blocks 4 pair	100	

4 Pair S/FTP & U/FTP Cable

Application:

- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video
- Power over Ethernet PoE / PoE+

Industry Standard:

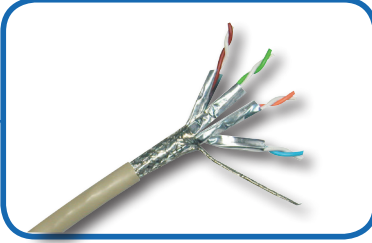
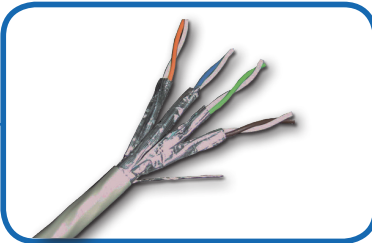
- UL444 communication cables standard, UL AWM style 2835
- ANSI/TIA-568-C.2

Product Electrical Characteristics:

- Impedance:100±15 ohms
- Mutual Capacitance: nom. 13.6pf/ft
- DC Resistance: max. 6.8ohm/100m at 20°C
- Voltage rating: 30V
- Rated temperature: 60°C

Cable Data:

- No. of Pairs:4 pair
- Size of conductor: 23AWG (solid anneal copper wire)
- Overall Diameter:7.2±0.3mm
- Individual Shielding: Aluminum-foil laminated tape.
- Overall Shielding: Tinned copper wire braiding.
- Jacket material: PVC or LSZH, flame retardant and/or CM grade.

P/N	Description	Jacket	Color	Std Pkg Qty	
1107-04001	Cat.6 4P S/FTP with braiding 23AWG solid cable	PVC	Gray	305M/Reel	
1107-04039	Cat.6 4P S/FTP with braiding 23AWG solid cable	LSZH	Violet	305M/Reel	
1107-04004	Cat.6 4P U/FTP w/o braiding 23AWG solid cable	PVC	Gray	305M/Reel	
1107-04040	Cat.6 4P U/FTP w/o braiding 23AWG solid cable	LSZH	Violet	305M/Reel	

→ Other colors are available upon request.

Frequency (MHz)	Attenuation Max. dB/100m	NEXT dB/100m	PSNEXT Min. dB/100m	ELFEXT (dB/ 100m)	PSELFEXT (dB/ 100m)	Return Loss (dB/ 100m)
1	2.0	74.3	72.3	67.8	64.8	20.0
4	3.8	65.3	63.3	55.7	52.7	23.0
8	5.3	60.8	58.8	49.7	46.7	24.5
10	6.0	59.3	57.3	47.8	44.8	25.0
16	7.6	56.3	54.3	43.7	40.7	25.0
20	8.5	54.8	52.8	41.7	38.7	25.0
25	9.5	53.4	51.4	39.8	36.8	24.3
31.25	10.7	51.9	49.9	37.9	34.9	23.6
62.5	15.4	47.4	45.4	31.8	28.8	21.5
100	19.9	44.3	42.3	27.8	24.8	20.1
200	28.98	39.8	37.8	21.7	18.7	18.0
250	32.85	38.4	36.4	19.8	16.8	17.3

S/FTP Patch Cord

Application:

- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video

Industry Standard:

- UL444 communication cables standard, UL AWM style 2835
- ANSI/TIA-568-C.2
- ISO/IEC 11801


Cable Data:

- No. of pairs: 4
- Size of conductor: 26AWG (Stranded Anneal copper wire)
- Dielectric material: Foamed P.E
- Diameter of Dielectric core: 1.0±0.05mm
- Individual Shielding: Aluminum-foil laminated tape
- Overall Shielding: Tinned copper with braiding, normal with min.65% coverage
- Jacket: PVC, flame retardant CM grade
- O.D.: 5.7±0.2mm

Product Description:


- Molded boots prevent pin from bending and cables from kinking
- Fully tested to meet ANSI/TIA-568-C.2 category 6 requirements
- 50u" gold plating on RJ45 plug contacts.
- Durability: 750 cycles min.
- Wiring: T568B

P/N	Description	Length(M)	Color	Std Ctn Qty
1201-04022	Cat.6 4P S/FTP patch cord	1	Gray	200
1201-04023	Cat.6 4P S/FTP patch cord	2	Gray	150
1201-04024	Cat.6 4P S/FTP patch cord	3	Gray	100
1201-04025	Cat.6 4P S/FTP patch cord	5	Gray	70



→ For LSZH requirements, please contact us.

3P Verified Cat.6 Shielded 4 Connector Channel Performance



Compliance Statement

**ISO/IEC, EN & TIA Screen Continuity
Class E / Category 6
Dintek Four Connector Channel**

Dintek Electronic Ltd.
No. 8, Lane 97, Wu -Kong Rd., Wu-Ku Industrial District,
Hsin Chuang, Taipei Hsien, Taiwan, R.O.C.

Compliance Statement No. 113770

This type of Class E / Category 6 screen continuity four connector channel has been tested by 3P Third Party Testing and complies with the Class E requirements of Edition 2.2 of ISO/IEC 11801 and EN/IEC EN 50173-1:2011, and Category 6 requirements of ANSI/TIA-568-C.2. The channel is only specified for screen continuity and screening performance has therefore not been verified. The Compliance Statement is valid for the channel type in T568B configuration and may be suspended or withdrawn if it fails to pass a Maintenance Testing performed at 12 month intervals. The channel consists of the following Dintek components:

Cable:	Patch Cord, P/N 1201-040XX (with PFC sheath)
Conn. Hardware:	Keystone Jack, P/N 1305-040XX (with screen)
Patch Cord:	3 m, 2 m, P/N 1201-040XX
Consolidation Cord:	2 m, P/N 1201-040XX

Hoersholm, 13th May 2013

Ole Laubertzen
Test Responsible

Paul Vilhien
Coordinating Manager

Independent Testing - For End User Confidence

Fully Shielded 19" Patch Panel

Features:

- High performance, exceeds ANSI/TIA-568-C.2 Category 6 Hardware transmission performance
- 100% shielded for complete EMI/RFI protection
- 19" 24port patch panel, 1U size.
- 110 and Krone dual type IDC termination
- Accepts 22-26AWG, Stranded or solid wire
- Wiring: T568A/B

Electrical:

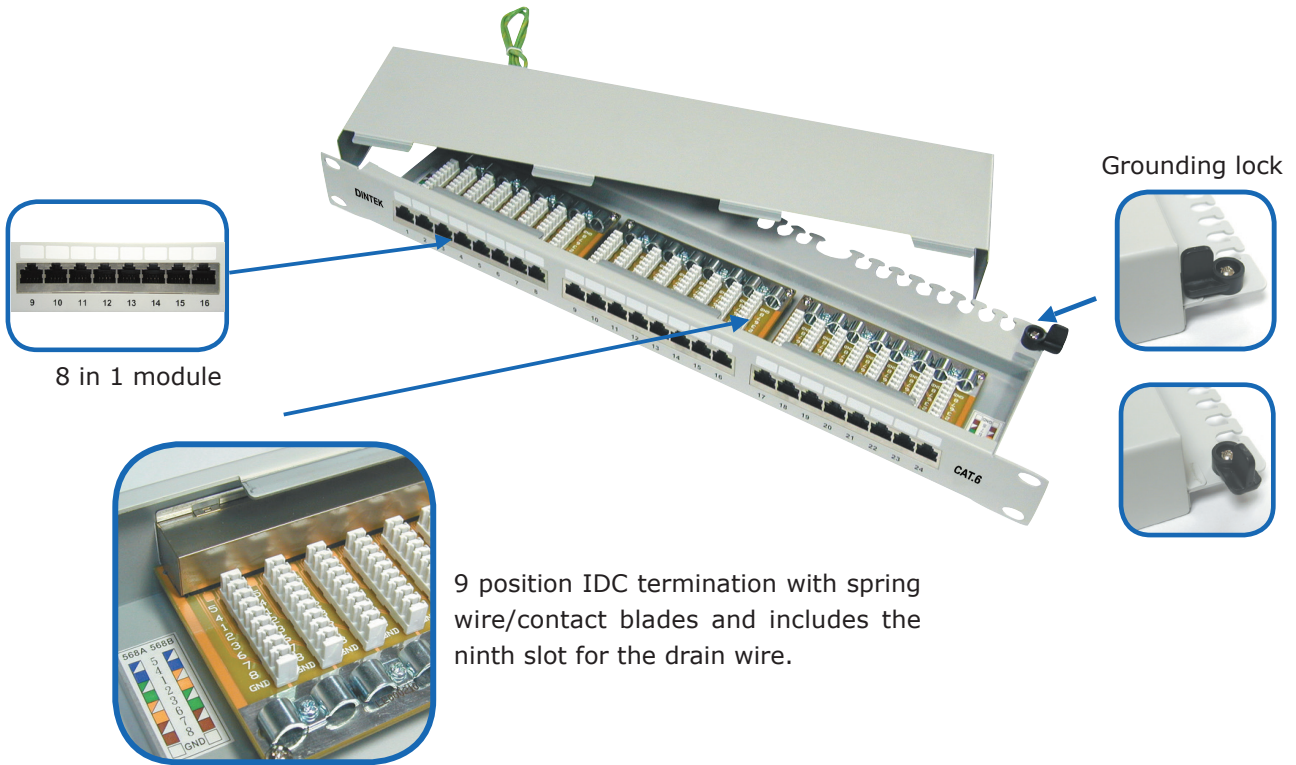
- Insulation resistance: 500 Mega ohms min.
- Dielectric with standing voltage: 1,000 Volts , RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C

Physical:

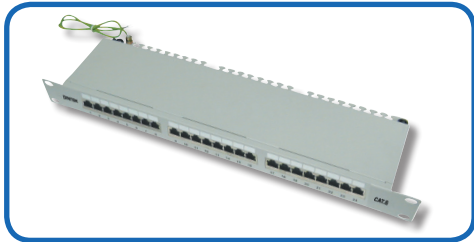
- Housing: High-impact, flame-retardant plastic,UL94V-0 rated.
- Material: Phosphor Bronze Alloy.
- Plating: 50u" gold plated over 100u" nickel.
- Sheel: Brass alloy plated with 100u" nickel.
- Plate: SPCC-SD 16G.

Mechanical:

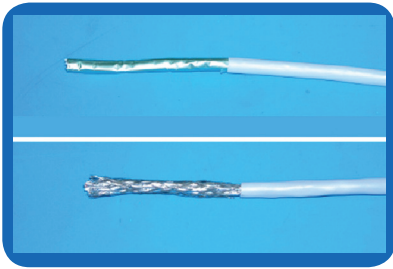
- Total mating force: 800 grams for a 8 wire leads min.
- Retention: 30 lbs min between the jack and plug.
- Insertion/Extraction life: 750 cycles min.
- Number of IDC terminations: 200 cycles min.



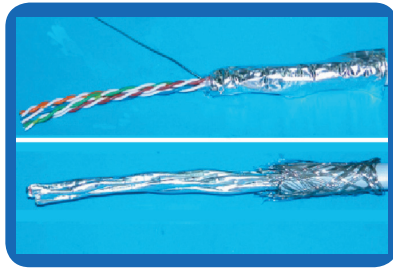
P/N	Description	Std Ctn Qty
1402-04033	Cat.6 19" 110/Krone type fully shielded patch panel 24 ports, 1U size Component level	10



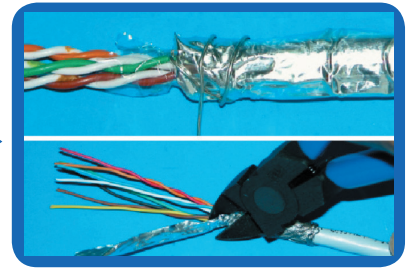
Fully Shielded 19" Patch Panel install instruction



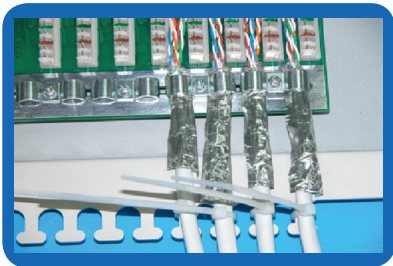
Step 1.
Strip approximately 7.7cm of the jacket from the cable. Be sure that the foil and/or braid remains intact.



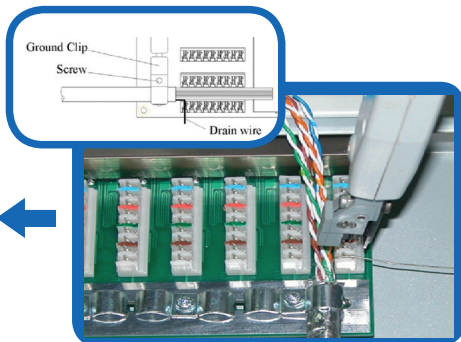
Step 2.
For cable with foil but no braid:
Fold the foil shield back over the jacket of the cable.
For braided cable:
Slide the braid back over the wire, wrap jacket and, if there is a drain wire, wrap it around the braid close to the fold at least 3 times (See Step 5 for alternative drain wire instruction)



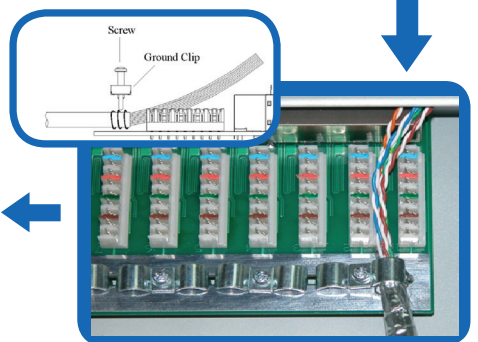
Step 3.
For cable with foil but no braid:
Wrap the drain wire around the foil shield. Do not wrap the drain wire more than 1.3cm from the fold in the foil shield. (See step 5 for alternative drain wire instruction).
For braided cable:
Unwrap the foil that extends beyond the jacket from each pair and cut it off.



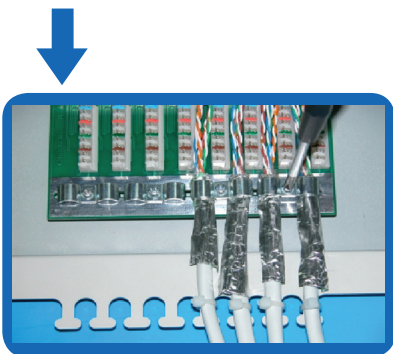
Step 6.
Fasten the cable to the strain relief tabs with cable ties and trim off the excess cable tie.



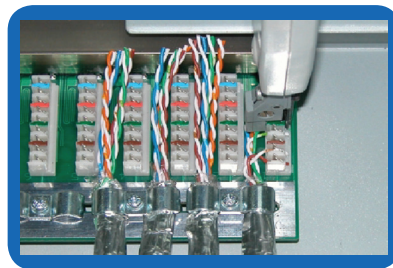
Step 5.
Instead of wrapping the drain wire around the foil shield, the drain wire may be inserted into the ninth slot (the slot with no color code) on the IDC connecting block as shown.



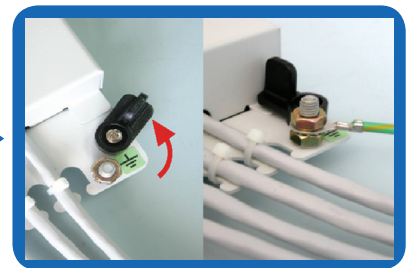
Step 4.
For braided cables:
Insert the cable through the ground clip as shown.



Step 7.
Tighten the ground clip screw until it reaches the bottom. Ensure that there is no foil in contact with the ground clip.



Step 8.
Press the wires into the IDC connecting blocks according to the color code on the blocks. Punch the wires down with an impact tool in order to terminate them. Do not forget to terminate the drain wire if it has been inserted into the ninth slot.



Step 9.
Slide the rear cover into place and lock it into position by clasping the two plastic buttons. Attach a ground wire from the ground lug to a grounding device.

ezi-PANEL™

DINTEK's ezi-PANEL products offer a flexible high performance, modular system which is ideally suited to Data Centre environments and general office/commercial networks. These products allow for faster installation of backbone cabling links. Our ezi-PANEL products are ideally suited to the data centre where between distribution racks and equipment racks need to be quickly and efficiently installed.

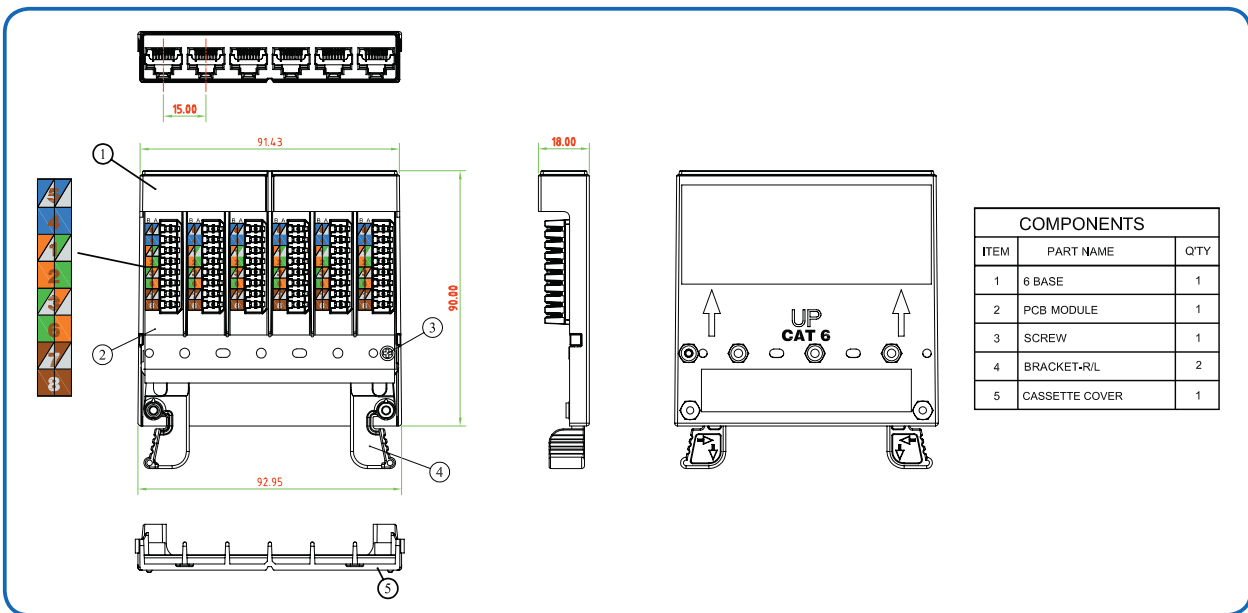
Feature:

- Pre-terminated and tested in facility
- Faster & Easier installation on field
- High density design



Industry Standard:

- Meets ISO/IEC 11801 & ANSI/TIA-568-C.2 standards
- FTP solution : Compatible with ISO/IEC 11801 & ANSI/TIA-568-C.2 CAT 6 component performance



P/N	Description	Std Pkg Qty
1310-02001	Cat.6 6 Port Cassette Fully Shielded, Component level	-
1408-03001	1U 4-cassette (24-Port)	1
1408-04001	1U 8-cassette (48-Port)	1

Fully Shielded Keystone F-Jack

Transmission performance:

→ Meets ANSI/TIA-568-C.2 cat.6 connecting hardware requirements

Mechanical:

→ Insertion/Extraction life: 750 cycles min.
 → 110 type IDC connector accepts 22-24 AWG solid wire.
 → Can be used in F Tool and also punch down tool

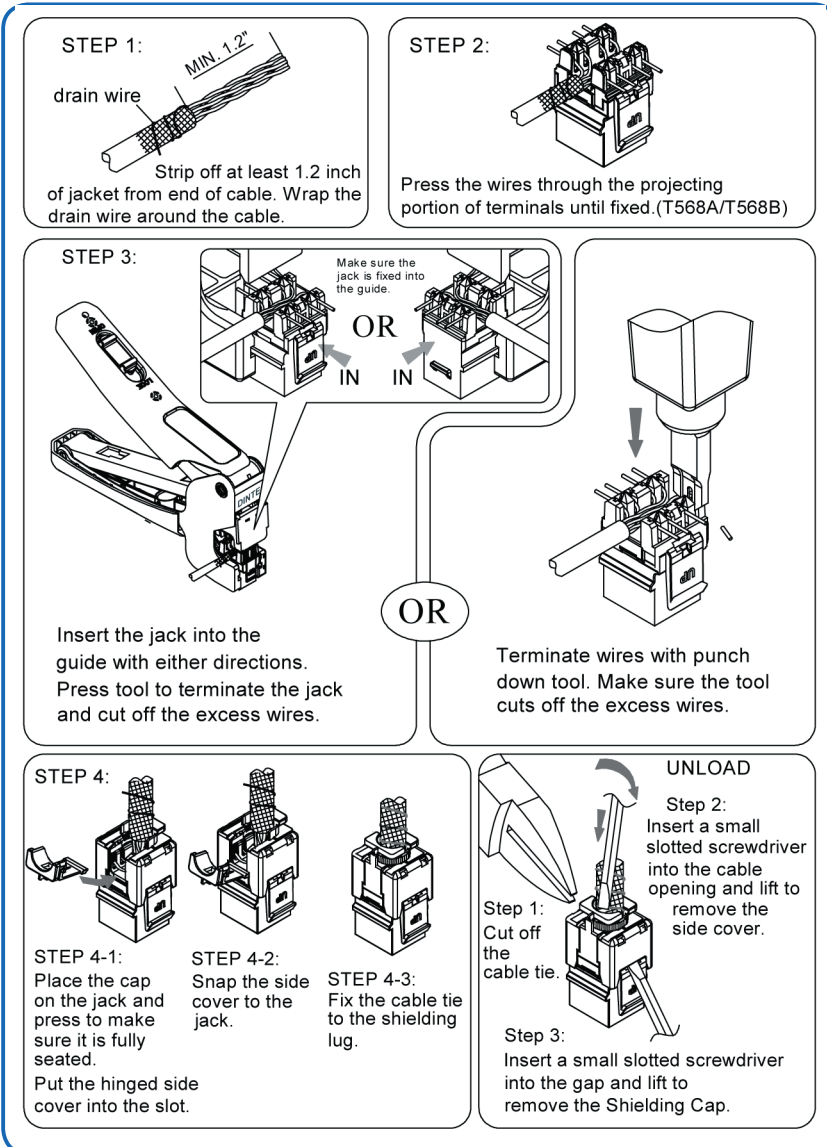
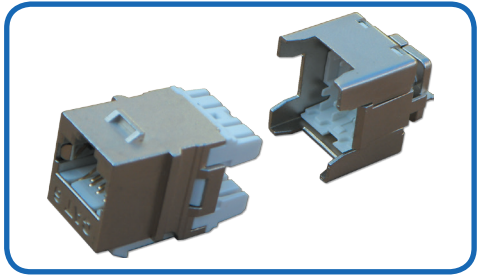
Electrical:

→ Electrical insulation resistance: 500 Mega-ohms min.
 → Dielectric with standing voltage: 1,000 V, RMS, 60Hz, 1min.
 → Contact resistance: 20 milli ohms max.
 → Current rating: 1.5 AMPS at 20°C

Physical:

→ Housing: Zinc alloy fully shielded
 → Spring wire: Phosphor Bronze alloy Plated 50u" gold over 100u" nickel.

P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-04048	Cat.6 vertical type, fully shielded keystone F-Jack, T568A/ B	100	600



Fully Shielded Toolless Keystone Jack

Industry Standard:

- UL Listed
- CENELEC EN 50173
- Meets ANSI/TIA-568-C.2 Cat.6 Short Link 15M requirements.
- Meets FCC parts 68
- ISO/IEC 11801

Physical:

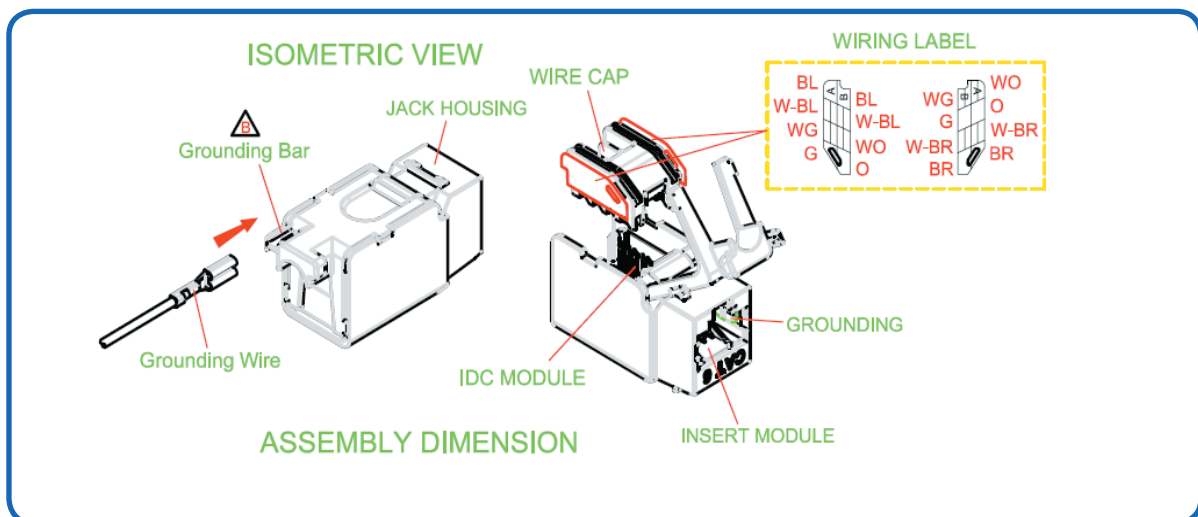
- Accepts 22-24 AWG, stranded or solid wire
- Jack wiring: 50 u" gold plated over 100 u" nickel
- Housing: Zinc-alloy fully shielded
- Spring wire: Phosphor Bronze Alloy Plated with 50 u" gold plated over 100 u" nickel
- IDC: Phosphor Bronze Alloy with 100 u" Sn Alloy

Mechanical:

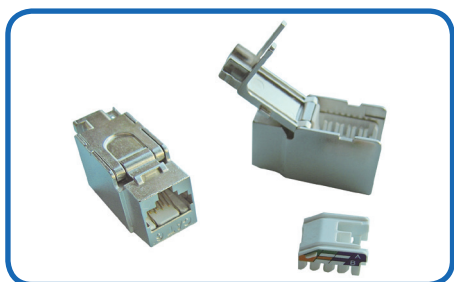
- Plug insertion life: 750 cycle min.
- Plug retention force: 50N for 60sec.

Electrical:

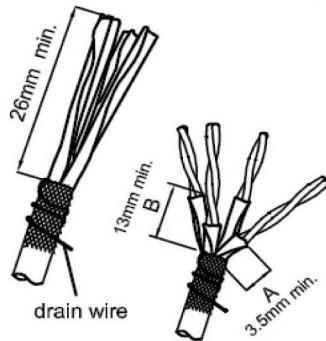
- Current rating: 1.5 Amps
- Insulation resistance: 500Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- DC resistance: 0.1 ohms max.
- Transmission quality verified up to 250MHz



P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-04016	Cat.6 Fully Shielded Toolless Keystone Jack, T568A/ B, Component Level	100	600

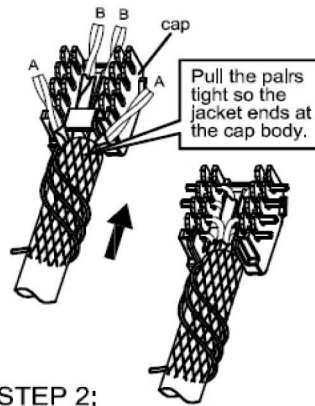


Instruction Sheet



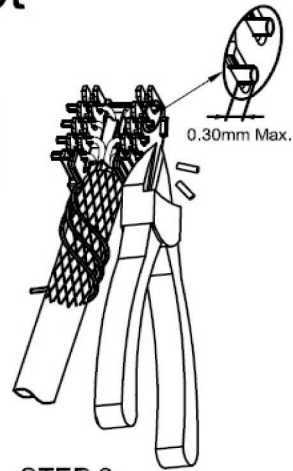
STEP 1:

Strip 26 mm of the jacket and fold braid to cover the jacket. Wrap the drain wire around the cable. The foil length of the wires passing through segment A are 3.5mm and those passing through segment B are 13mm (shown in Step 2)



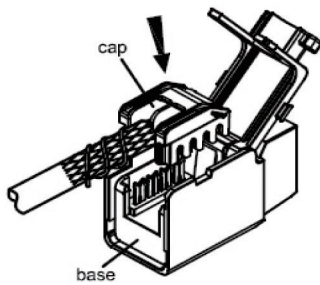
STEP 2:

Insert wire pairs into the correct positions (T568A/568B). Segment B pass through the tunnel and segment A is upper of segment B.



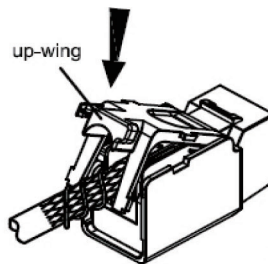
STEP 3:

The tips of the wires should be no more than 0.30mm.



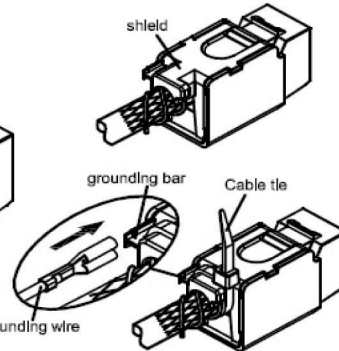
STEP 4:

Install cap on base. Be sure they snap together completely.



STEP 5:

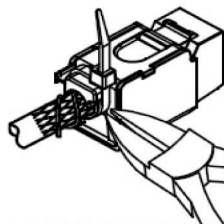
Lock the up-wing on the base.



STEP 6:

Ensure the drain wire is wrapped around the cable. Tighten the cable with the shield by a wire tie.

Disassembly Instruction

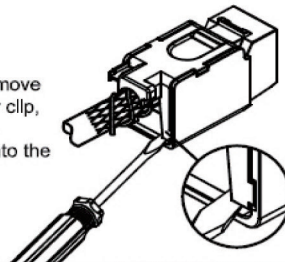


STEP 1:

Cut the tie wrap as close to the cable as possible. Do not cut the drain wire or damage.

STEP 2:

In order to remove the connector clip, insert a small screwdriver into the slot.



4 Pair U/UTP Cable

Application:

- Voice
- ISDN
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps ATM
- 1000Base-T
- 550 MHz Broadband video
- Power over Ethernet PoE / PoE+

Industry Standard:

- UL, ETL Verified
- ANSI/TIA-568-C.2
- ISO/IEC 11801
- EN 50173


Product Electrical Characteristics:

- Impedance:100±15 ohms
- Resistance Unbalance 100m: 5% max.
- Mutual Capacitance, max. nf/ 100m: 5.6
- DC Resistance, max. ohms/100m: 9.38
- Capacitance Unbalance: 160pf/ 100m max.

Cable Data:

- No. of Pairs: 4
- Insulation Thickness: 0.195mm
- Nom.O.D.: 5.1mm
- Flame Rating: CM

P/N	Description	Jacket	Color	Std Pkg Qty
1101-03331	Conductor: 24AWG Bare Solid Copper Insulation: HDPE	PVC	Gray	305M/ Pull Box
1101-03339	Conductor: 24AWG Bare Solid Copper Insulation: HDPE	LSZH	Violet	305M/ Pull Box



→ Other colors are available upon request.

Frequency (MHz)	ASRL(db) Minimum	Attenuation Max. dB/100m	Attenuation Max. dB/1000ft	NEXT inimum dB/100m	Power Sum Minimum dB/100m
0.772	26	1.8	5.5	67	64
1	26	2.0	6.5	65	62
4	26	4.1	12.5	56	53
10	26	6.5	19.8	50	47
16	26	8.2	25	47	44
20	26	9.3	28.3	45	42
31.25	26	11.7	35.7	42	39
62.5	24	17.0	51.8	38	35
100	21	22.0	67.1	35	32
125	19	25	76.3	34	31

Fluke Test Report - Cat.5e UTP Cable run 100BASE-T over 100M



Cable ID: 100M_PER_CAT5E_1GB

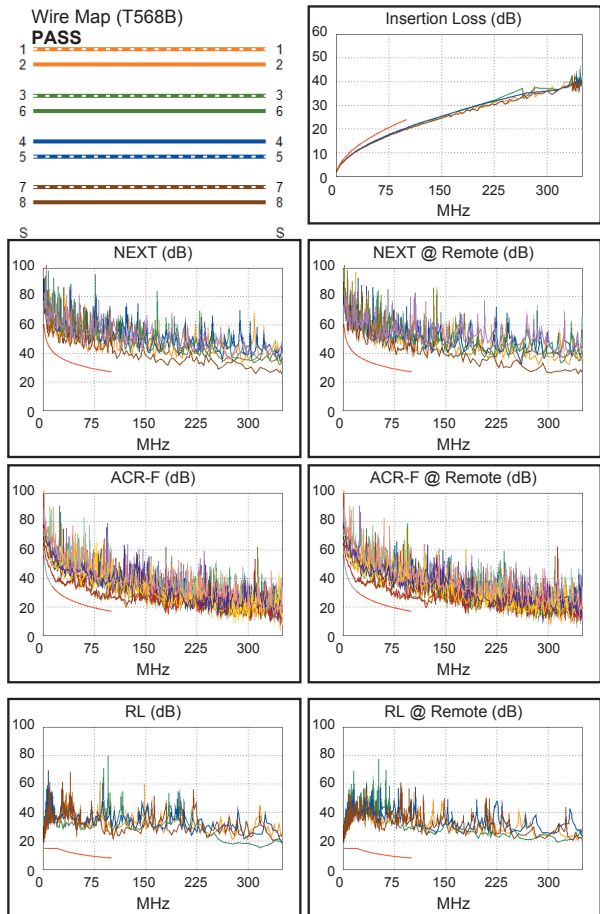
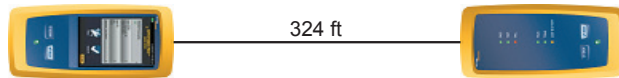
Date / Time: 03/03/2017 04:29:55 PM
 Headroom 6.1 dB (NEXT 36-45)
 Test Limit: 1000BASE-T
 Cable Type: Cat 5e U/UTP
 NVP: 69.0%

Operator: Jonas
 Software Version: V5.0 Build 3
 Limits Version: V5.0
 Calibration Date:
 Main (Module): 02/09/2015
 Remote (Module): 02/09/2015

Test Summary: PASS

Model: DSX-5000
 Main S/N: 2934390
 Remote S/N: 2937480
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 328	[Pair 78]	324
Prop. Delay (ns), Limit 570	[Pair 45]	488
Delay Skew (ns), Limit 50	[Pair 45]	10
Resistance (ohms), Limit 25.00	[Pair 45]	18.43
Impedance (ohms), Limit 85-115	[Pair 36]	97
Insertion Loss Margin (dB)	[Pair 36]	3.4
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.1	10.1	13.4	10.1
Freq. (MHz)	7.4	77.8	94.8	77.8
Limit (dB)	46.1	28.9	27.5	28.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	5.8	5.8	7.8	7.7
Freq. (MHz)	18.0	18.5	95.0	94.8
Limit (dB)	31.9	31.7	17.4	17.5
Worst Pair	36	36	45	36
PS ACR-F (dB)	8.3	8.2	9.7	9.8
Freq. (MHz)	18.9	18.0	95.0	94.8
Limit (dB)	28.9	29.3	14.8	14.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	12	78	12
RL (dB)	10.0	9.6	16.6	9.6
Freq. (MHz)	2.4	2.4	99.3	2.4
Limit (dB)	15.0	15.0	8.0	15.0

Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T ATM-25 ATM-51
 ATM-155 100VG-AnyLan TR-4
 TR-16 Active TR-16 Passive

LinkWare™ PC Version 9.7

4 Pair UTP and FTP Patch Cord

Application:

- 10 Base-T (IEEE 802.3)
- Fast Ethernet (IEEE 802.3u)
- 100Vg-AnyLAN (IEEE 802-12)
- Token Ring (IEEE 802.5)
- TP-PMD (ANSI X 3T9.5)
- 100 Mbps CDDI
- ATM 155
- Gigabit 1000 Mbps (802.3z)

Product Description:

- Conductor: 24AWG Stranded Copper
- Insulation:HDPE
- Jacket: FRPVC
- 50 u" Gold Plated on the Plug Contacts
- Wiring:T568B
- Colored Patch Cables with Molded Boots
- Color: Red, Orange, Yellow, Green, Blue, Gray

Industry Standard:

- ETL Verified
- ANSI/TIA-568-C.2
- ISO/IEC 11801
- EN 50173



Prevent from broken on spring leaf of plug



Stackable design for high density modular jack

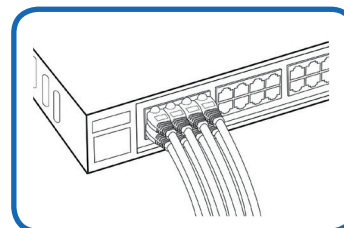
P/N	Description	Length(M)	Color	Std Ctn Qty
1201-03352	Cat.5e 4 Pair UTP Patch Cord	2	Red	150
1201-03354		2	Orange	150
1201-03351		2	Yellow	150
1201-03353		2	Green	150
1201-03350		2	Blue	150
1201-03349		2	Gray	150
1201-03356	Cat.5e 4 Pair UTP Patch Cord	3	Red	100
1201-03358		3	Orange	100
1201-03355		3	Yellow	100
1201-03357		3	Green	100
1201-03343		3	Blue	100
1201-03342		3	Gray	100
1201-03361	Cat.5e 4 Pair UTP Patch Cord	5	Red	70
1201-03363		5	Orange	70
1201-03360		5	Yellow	70
1201-03362		5	Green	70
1201-03359		5	Blue	70
1201-03344		5	Gray	70
1201-03035	Cat.5e 4 Pair FTP Patch Cord	2	Gray	150
1201-03074		3	Gray	100
1201-03036		5	Gray	70



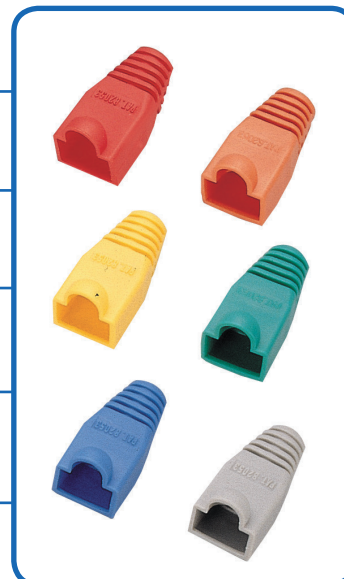
→ Please contact us for any customized requirements.

Color-Coded Boots

- Maintains proper bend radius, especially on stranded cable.
- Simplify cable management and trouble shooting
- Stackable design for neat and high density modular jacks in Hub.
- Color: Red, Orange, Yellow, Green, Blue, Gray, Black, White



P/N	Description	Std Pkg Qty	Std Ctn Qty
1601-02003	Red color-coded boots (6Φ)	800	4800
1601-03003	Orange color-coded boots (6Φ)	800	4800
1601-04003	Yellow color-coded boots (6Φ)	800	4800
1601-05003	Green color-coded boots (6Φ)	800	4800
1601-06004	Blue color-coded boots (6Φ)	800	4800
1601-08005	Gray color-coded boots (6Φ)	800	4800



RJ-45 Plugs

Specification:

Material and Finish

- Housing: Polycarbonate
- Contact: Copper alloy 50u" gold over nickel

Mechanical

- Cable-to-Plug tensile Round & flat cable available
- Strength: 20 lbs. min.
- Durability: 750 cycles min.

Function Description:

- Exceeds ANSI/TIA-568-C.2 requirements for 4 pair application
- Exceeds NEXT requirements for Cat.5e cables

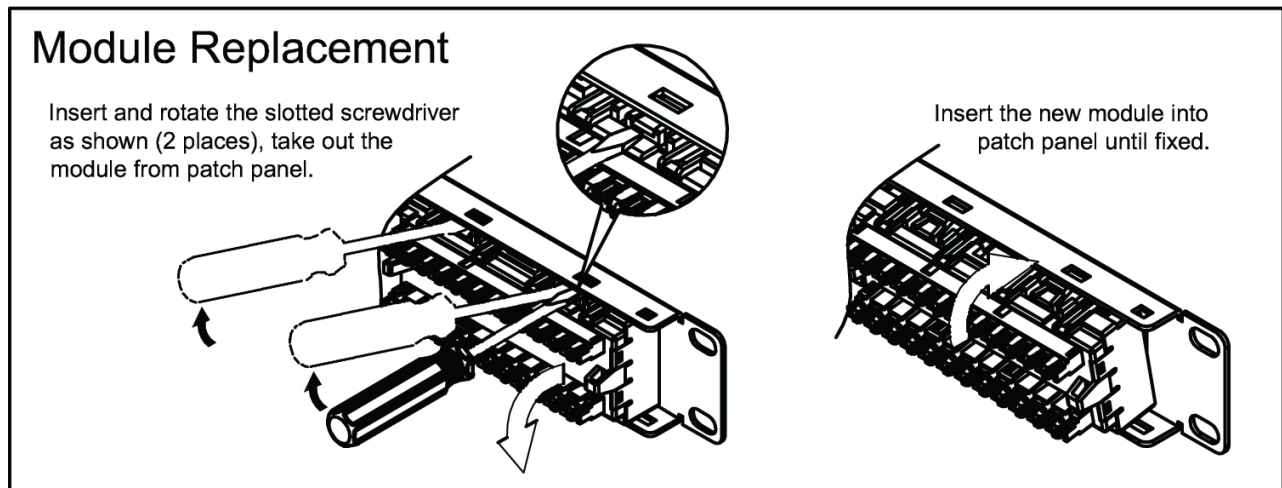
P/N	Description	Std Pkg Qty	Std Ctn Qty
1501-88019	RJ45 plug for unshielded solid wire 26-24AWG (3 prong).	1000	6000
1501-88020	RJ45 plug for unshielded stranded wire 26-24AWG (2 prong)	1000	6000
1501-88007	RJ45 plug for shielded solid wire 26-24AWG (3 prong)	1000	6000
1501-88002	RJ45 plug for shielded stranded wire 26-24AWG (2 prong)	1000	6000



19" Patch Panel

110 and Krone Type Patch Panel:

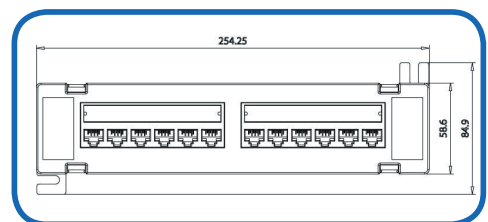
- High performance, exceeds Category 5e requirements
- 110 type and Krone type IDC termination
- 19" 24 port patch panel, 1U size & 48 port panel, 2U size
- Accepts 22-26 AWG, stranded or solid wire
- Meets ANSI/TIA-568-C.2 & ISO/IEC 11801
- Wiring:T568A/ B



P/N	Description	Std Ctn Qty
1402-03019	Cat.5e 19" 110/ Krone Patch Panel 24 ports, 1U size, Component level	25
1402-03020	Cat.5e 19" 110/ Krone Patch Panel 48 ports, 2U size, Component level	10

Wall Mount Patch Panel

- ANSI/TIA-568-C.2 Cat.5e connecting hardware performance
- Mounted on 89D bracket
- Hinged/ Snapped style windows
- Wiring:T568A/ B
- UL 1863 Safety Listed



P/N	Description	Std Ctn Qty
1403-03051	Cat.5e wall mount 110 patch panel 12ports	25

E/F Jacks

Industry Standard:

- UL Listed
- Meet all requirements specified in connecting hardware requirement of ANSI/TIA-568-C.2 Cat.5e

Physical:

- Multi use E/F Jacks can be used in E/F Tools and also punch down tool
- 110 type IDC termination
- IDC connector accepts 22-24 AWG solid wire
- Jack wiring: 50 u" gold plated over 100 u" nickel
- Housing: High impact flame retardant plastic UL94V-0 rated

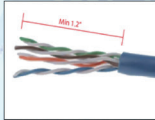





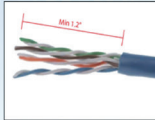
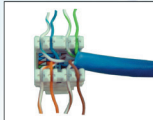




Mechanical:

- Plug insertion life: 750 cycle min.
- Plug retention force: 50N for 60sec.


Electrical:

- Current rating: 1.5 Amps
- Insulation resistance: 500 Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- DC resistance: 0.1 ohms max.
- Transmission quality verified up to 100MHz

AS LITTLE AS 43 SECONDS FROM START TO FINISH !

00:05	00:37	00:39	00:40	00:41	00:43	<p style="color: blue; font-weight: bold;">- TERMINATE</p> <p style="color: blue; font-weight: bold;">- CRIMP</p> <p style="color: blue; font-weight: bold;">- CUT</p> <p style="color: blue; font-weight: bold;">- DONE !</p>
						
						

P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-03030	Cat.5e horizontal type Keystone E-Jack, T568A/ B, white	100	600
1305-03039	Cat.5e horizontal type Keystone E-Jack, T568A/ B, blue	100	600
1305-03042	Cat.5e horizontal type Keystone E-Jack, T568A/ B, green	100	600
1305-03040	Cat.5e horizontal type Keystone E-Jack, T568A/ B, red	100	600
1305-03041	Cat.5e horizontal type Keystone E-Jack, T568A/ B, yellow	100	600
1305-03048	Cat.5e vertical type Keystone F-Jack with shutter, T568A/ B, white	100	600
1305-03047	Cat.5e vertical type Keystone F-Jack, T568A/ B, white	100	600
6103-01005	E-Tool, for horizontal type Keystone E-Jacks	15	30
6103-01006	F-Tool, for vertical type Keystone F-Jacks	15	30



RJ-45 Keystone Jack

Industry Standard:

- UL Listed
- Meets FCC parts 68
- EN50173
- ISO/IEC 11801
- Meets ANSI/TIA-568-C.2 Cat.5e Hardware transmission performance

Physical:

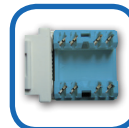
- IDC connector accept 22-26 AWG solid wire
- Jack wiring: 50 u" gold over 100 u" nickel
- Housing: High impact flame retardant plastic UL 94V-0 rated
- IDC connector suitable for 110 punch down and Krone tool

Mechanical:

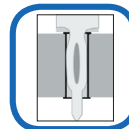
- Plug insertion life: 750 cycle min.
- Plug retention force: 30 lbs min.

Electrical:



- Current rating: 1.5 Amps
- Insulation resistance: 500 Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- DC resistance: 0.1 ohms max.
- Data transmission rates up to 100Mbps



IDC connector with large space between each pair to improve crosstalk

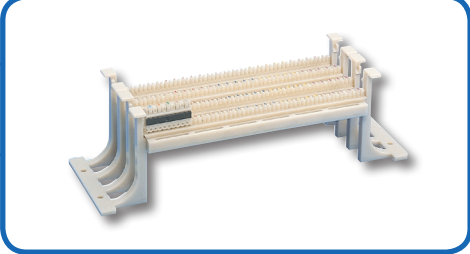
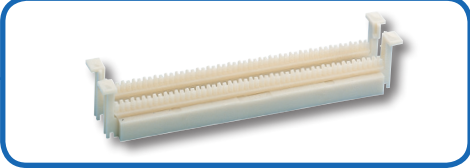


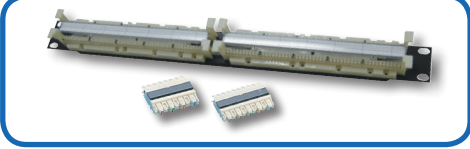


Press fit IDC connector terminal for high frequency application

P/N	Description	Std Pkg Qty	Std Ctn Qty	
1305-03014	Cat.5e RJ-45 110/Krone, horizontal type Keystone Jack, T568A/B Component level	100	600	
1305-03015	Cat.5e RJ-45 110/Krone, vertical type Keystone Jack, T568A/B Component level	100	600	



110 Cross-Connect Block & Panel

- Labels are placed on top of label holders.
- Exceeds ANSI/TIA-568-C.2 Category 5e performance specifications
- Terminates 22 AWG through 26 AWG solid or stranded wire
- Wiring blocks and connecting blocks sold separately
- 19" Cross-Connect Panel make terminations from the front

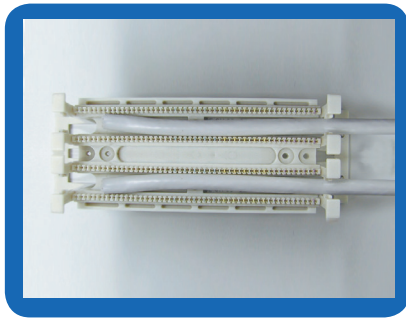
P/N	Description	Std Ctn Qty	
1801-01003	Wiring blocks w/Mounting legs, w/label holder, w/o connecting blocks, 50pair	-	
1801-02002	Wiring blocks w/Mounting legs, w/label holder, w/o connecting blocks, 100pair	-	
1801-02001	Wiring blocks w/Mounting legs, w/label holder, with connecting blocks, 100pair	-	
1802-01005	Wiring blocks w/o mounting legs, w/label holder, w/o connecting blocks, 50pair	160	
1802-02002	Wiring blocks w/o mounting legs, w/label holder, w/o connecting blocks, 100pair	-	
1804-03002	Connecting blocks, 4pair	4,800	
1804-04001	Connecting blocks, 5pair	4,800	
1803-02004	19" cross-connect panel, 100pair, w/label holder, w/connecting block	14	

110 to RJ-45(110) Patch Cord

- Make quick, simple 110-block connections
- Category 6 stranded cable, colored pvc jacket
- 110 to RJ-45 type to convert one channel on a 110 block to a modular jack
- 110 to 110 type to link two 110 blocks
- Wiring: T568B(110 to RJ-45 type), straight-through (110 to 110 type)

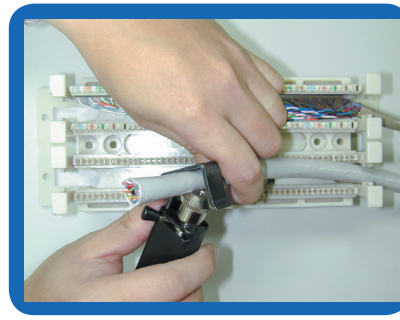
P/N	Description	Length(M)	Color	Std Ctn Qty	
1202-03001	Patch cord T568B(110 to RJ-45 type)	3	Gray	100	
1203-03003	Patch cord straight-through(110 to 110 type)	3	Gray	100	

110 Cross-Connect Block Installation Step



Step 1:

Mount the wiring base and legs onto a suitable mounting surface with the necessary screws and hardware. Then place the cables through the appropriate openings in the wiring base.



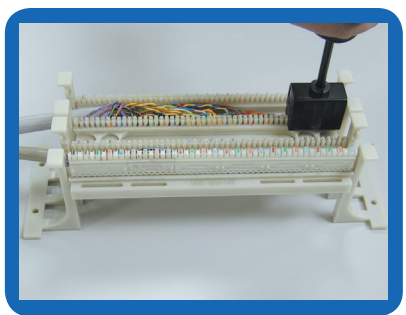
Step 2:

Strip off the cable jacket with the jacket stripping tool.



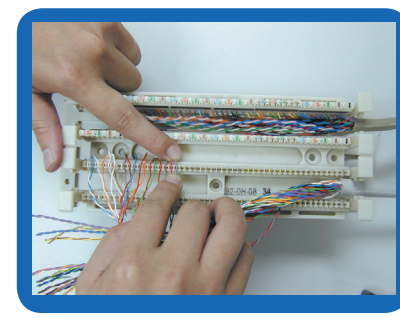
Step 4:

Seat the conductors and trim off the excess wire with the cutting edge of the impact tool.



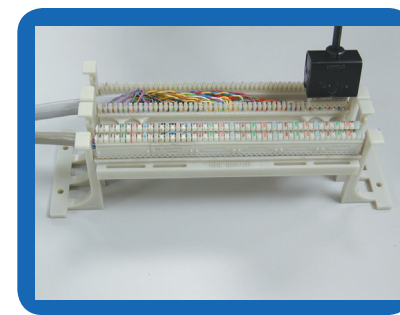
Step 5:

Insert a 4 pair or 5 pair 110 connecting block into the head of the impact tool.



Step 3:

Seat the wires in accordance with the correct wiring scheme (see page No.83 to page No.84) onto the wiring base.



Step 6:

seat the 110 connecting block with the impact tool onto the wiring base.

4 Pair F/UTP Cable

Application:

- Voice
- T1
- ISDN
- 10Base T(IEEE 802.3)
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- Token Ring(IEEE 802.5)
- TP-PMD(ANSI X3T9.5)
- 100Base-T Ethernet (IEEE 802.3u)
- 155/622Mbps ATM
- 1000Base-T
- 550MHz Broadband video
- Power over Ethernet PoE / PoE+

Industry Standard:

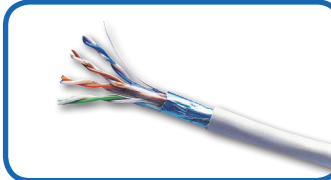
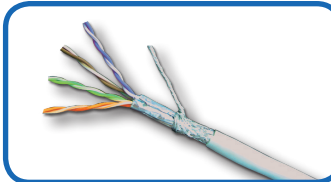
- UL, ETL Verified
- ANSI/TIA-568-C.2
- ISO/IEC 11801
- EN 50173

Cable Data:

- No. of Pairs: 4
- Size of conductor: 24AWG Bare Solid Copper
- Jacket Color: Gray
- Shield: Mylar-Aluminum/ Mylar tape/ Tinned
- Drain Wire: 24AWG stranded copper
- Insulation: HDPE
- Nom.O.D.: 6.2±0.2mm
- Flame Rating: CM

Product Electrical Characteristics:

- Impedance: 100±15 ohms
- DC Resistance, max. ohms/100m: 9.38
- DC Resistance, max. Unbalance of a pair: 5%max
- Capacitance Unbalance(Pair to Ground): 330pf/ 100m max.
- Propagation Delay Skew: 45nS/100m max.

P/N	Description	Jacket	Color	Std Pkg Qty	
1103-03003	Cat.5e 4 Pair F/UTP Cable	PVC	Gray	305M/ Pull Box	
1105-03001	Cat.5e 4 Pair SF/UTP Cable with braiding	PVC	Gray	305M/ Pull Box	

→ For LSZH requirements, please contact us.

Frequency (MHz)	SRL(db) Minimum	Impedance ohm	Attenuation Max. dB/100M	Attenuation Max. dB/1000ft	NEXT Minimum dB/100m
0.772	--	100±15	--	--	64
1	25	100±15	--	--	62
4	25	100±15	4.1	12.5	53
8	25	100±15	5.8	17.7	48
10	25	100±15	6.5	19.8	47
16	25	100±15	8.2	25	44
20	25	100±15	9.3	28.3	42
25	24	100±15	10.4	31.7	41
31.25	23	100±15	11.7	35.7	39
62.5	20	100±15	17.0	51.8	35
100	18	100±15	22.0	67.1	32
125	--	100±15	25.0	76.3	31

Fully Shielded 19" Patch Panel

Transmission:

→ Meets ANSI/TIA-568-C.2 Cat.5e Hardware transmission performance

Environmental conditions:

→ Temperature range:
 Storage: -40°C to +70°C
 Operational: -10°C to +60°C
 → Relative humidity (operational):
 Maximum non-condensing 93%

Electrical:

→ Insulation resistance: 10 Mega ohms min.
 → Dielectric with standing voltage: 1,000 Volts, RMS, 60Hz, 1min.
 → Contact resistance: 20 milli ohms max.
 → Current rating: 1.5 AMPS at 20°C

Mechanical:

→ Total mating force: 800 grams for a 8 wire leads min.
 → Retention: 30 lbs min. between the jack and plug.
 → Insulation/Extraction life: 750 cycles minimum.
 → Number of IDC terminations: 200 minimum.

Physical:

→ Housing: High-impact, flame-retardant plastic, UL94V-0 rated spring wire/contact blades.
 → Material: Phosphor Bronze Alloy.
 → Plating: 24 Carat hard gold (50u" plating thickness) over 100 u" nickel.
 → Sheel: Brass alloy plated with 100u" nickel.
 → Plate: SPCC-SD 16G.

P/N	Description	Std Ctn	Qty
1402-03022	Cat.5e 19" 110/Krone type fully shielded patch panel 24 ports, 1U size Component level	10	

8 in 1 module

Cat.5e shielded channel performance test configuration-ETL verified

REPORT INTERTEK/ETL SEMKO
 3933 US ROUTE 11, CORTLAND, NEW YORK 13845

ORDER NO.: 3046481-006 DATE: February 13, 2004

REPORT NO.: 3046481-004

RENDERED TO:
 Dintek Electronics Ltd.
 5F, No. 8, Lane 97 Wu-Kong Road
 Wu-Ku Industrial Dist., Hsin Chuang
 Taipei Hsien, Taiwan
 TAIWAN, REP. OF CHINA

TEST: Performance testing of the cabling configurations as defined in, and to the requirements of, TIA/EIA-568-B.1 for Category 5e Cabling Systems.

STATEMENT OF LIMITATIONS: At the client's request, the purpose of this report is to provide electrical performance data on the test sample. It is not valid to use this report for any other purpose.

STANDARDS USED:
 ASTM D4595-98, dated December 10, 1998, Standard Test Methods for Electrical Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable
 TIA/EIA-568-B.1, dated April 12, 2001, Commercial Building Telecommunications Cabling Standard
 TIA/EIA-568-B.2, dated April 23, 2001, Commercial Building Telecommunications Cabling Standard

AUTHORIZATION: The tests were authorized by Mr. Maggie Chen, representing the client, Dintek Electronics Ltd. The samples were received on 2/12/04 in good condition. The samples were tested for performance testing only and are not ETL Verified.

DATE OF TEST: February 13, 2004

Page 1 of 5

An independent organization testing for safety, performance, and certification.

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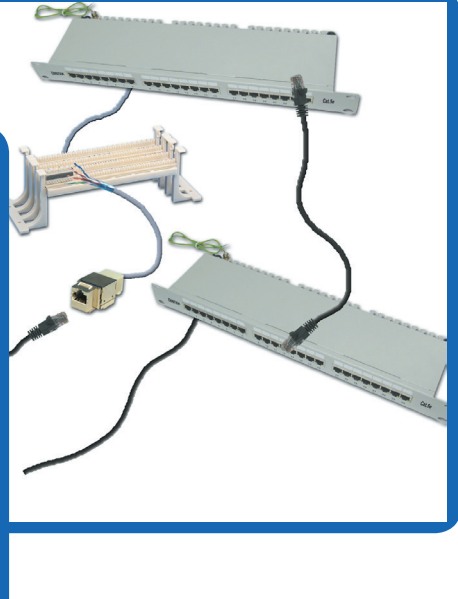
Report No.: 3046481-004 Page 2 of 5 Date: February 13, 2004

AMPLE DESCRIPTION:
 Patch Panel (Component)

Component ID	Manufacturer	Part Number	Description
1, 5, 7	Dintek	1201-03	Equipment Cord, 3m
2	Dintek	1105-03	Fully Shielded Keystone Jack
3	Dintek	1105-03	STP Horizontal Cable, 90m
4, 6	Dintek	1402-03	Fully Shielded Patch Panel

EQUIPMENT LIST:
 No following equipment was employed in conducting the tests.

Equipment Used	Model Number	Serial Number	Calibration Date
Hewlett Packard Automatic Cable Test System	HP4162A	3903U1003	NA



Fully shielded Keystone Jack

Electrical:

- Electrical insulation resistance: 500 mega ohms min.
- Dielectric with standing voltage: 1,000 V, RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C

Mechanical:

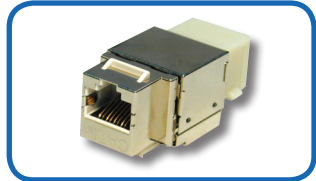
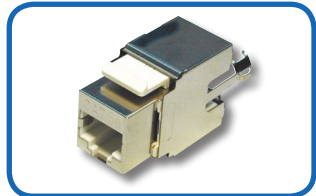
- Total mating force: 800 grams for a 8 wire leads minimum.
- Retention: 30lbs min between the jack and plug.
- Insertion/Extraction life: 750 cycles minimum.
- Number of IDC terminations: 200 minimum.

Transmission performance:

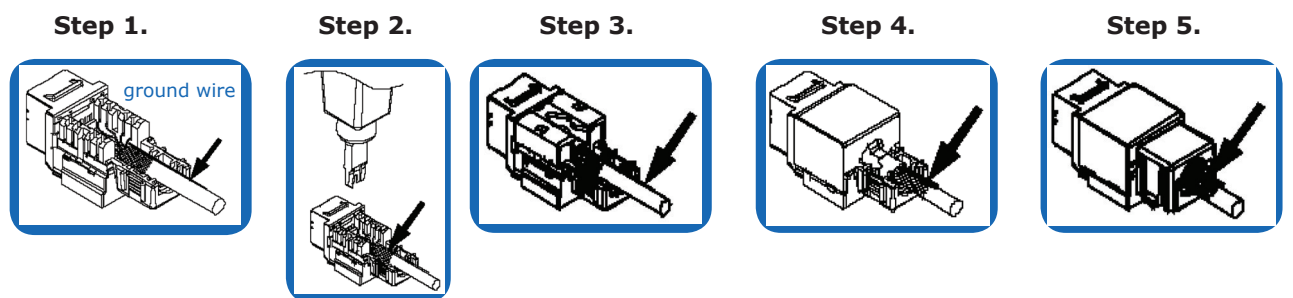
- UL Listed
- Meets all cat.5e Hardware transmission performance specified in ANSI/TIA-568-C.2

Physical:

- Housing: High-impact, flame-retardant plastic, UL94V-0 rated.
Spring wire/contact blades:
- Material: Phosphor bronze alloy.
- Plating: 24 Carat hard gold (50u" plating thickness) over 100u" nickel.
- Shell: Brass alloy plated with 100u" nickel.

P/N	Description	Std Pkg Qty	Std Ctn Qty	
1305-03023	Cat.5e 110/ Krone horizontal type fully shielded keystone Jack, T568A/ B Component level	100	600	
1305-03024	Cat.5e 110/ Krone vertical type fully shielded keystone Jack, T568A/ B Component level	100	600	

Horizontal fully shielded keystone jack installion step



Vertical fully shielded keystone jack installion step



Fully shielded Toolless Keystone Jack

Electrical:

- Electrical insulation resistance: 500 mega ohms min.
- Dielectric with standing voltage: 1,000 V, RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C

Mechanical:

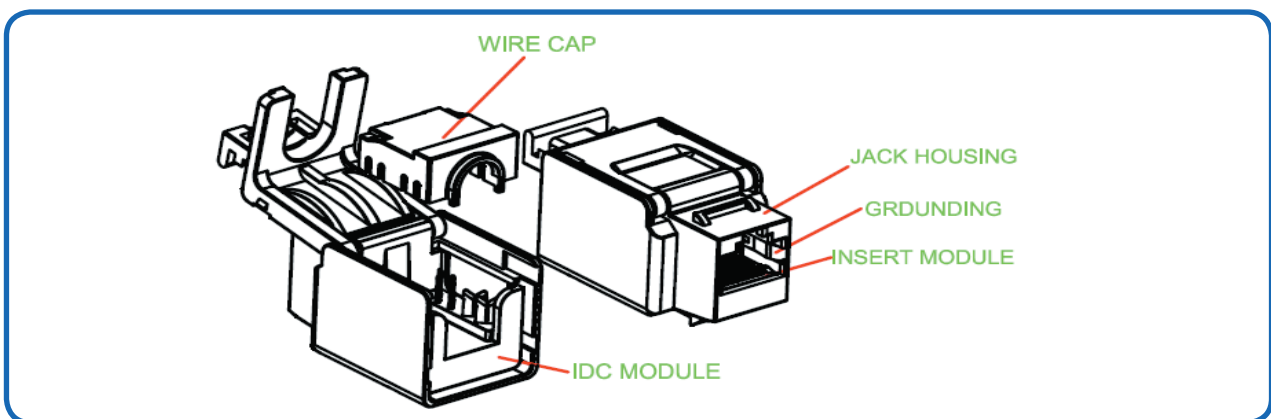
- Retention: 50N for 60sec.
- Insertion/Extraction life: 750 cycles minimum.
- Number of IDC terminations: 200 minimum.

Transmission performance:

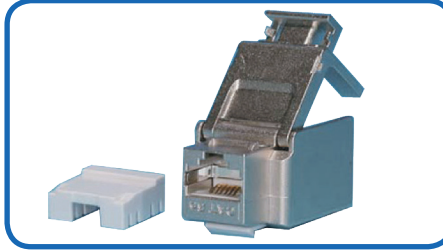
- UL Listed
- Meets all cat.5e Hardware transmission performance specified in TIA/EIA-568B.2

Physical:

- Housing: Zinc-alloy fully shielded
- Spring wire/contact blades: Phosphor bronze alloy, Plating hard gold (50u" plating thickness) over 100u" nickel.
- IDC: Phosphor Bronze Alloy with 100u" 9:1 Sn-Pb alloy



P/N	Description	Std Pkg Qty	Std Ctn Qty
1305-03033	Cat.5e Fully shielded Toolless Keystone Jack, T568A/ B	100	600



SmartLINK™ patch panels

DINTEK SmartLINK™ patch panels make trouble-shooting physical connectivity issues easier and automates the documentation of adds, moves and changes in the network. Using centralized software management and LED indicator, network planning and management become an easy task.

Feature:

- Follows ANSI/TIA/EIA-606-A.CLASS 4 application.
- Copper solution equipped with Cat.6 or Cat.6A keystone jacks, and compatible regular RJ45 patch cord.
- Fiber solution equipped with OM3 10Gb/s LC-MPO Cassette panel and SC-MPO Cassette panel.

Product Function:

- **Structure cabling planning**
The SmartLINK™ patch panels enable IT staff to make the planning easily.
- **Cross-connecting guide**
LED indicators guide when patching channel link.
- **Rack system connecting, monitor and real time alert**
Any unauthorized activity will be notify with an alert message.
- **Network maintain and management**
With SmartLINK™ patch panels, your physical layer becomes more than simply interconnected hardware.



Copper Solution



24 ports Cat.6 LED panel

FRONT

BACK

Fiber Solution



48 ports duplex LC panel

FRONT

24 ports duplex SC panel

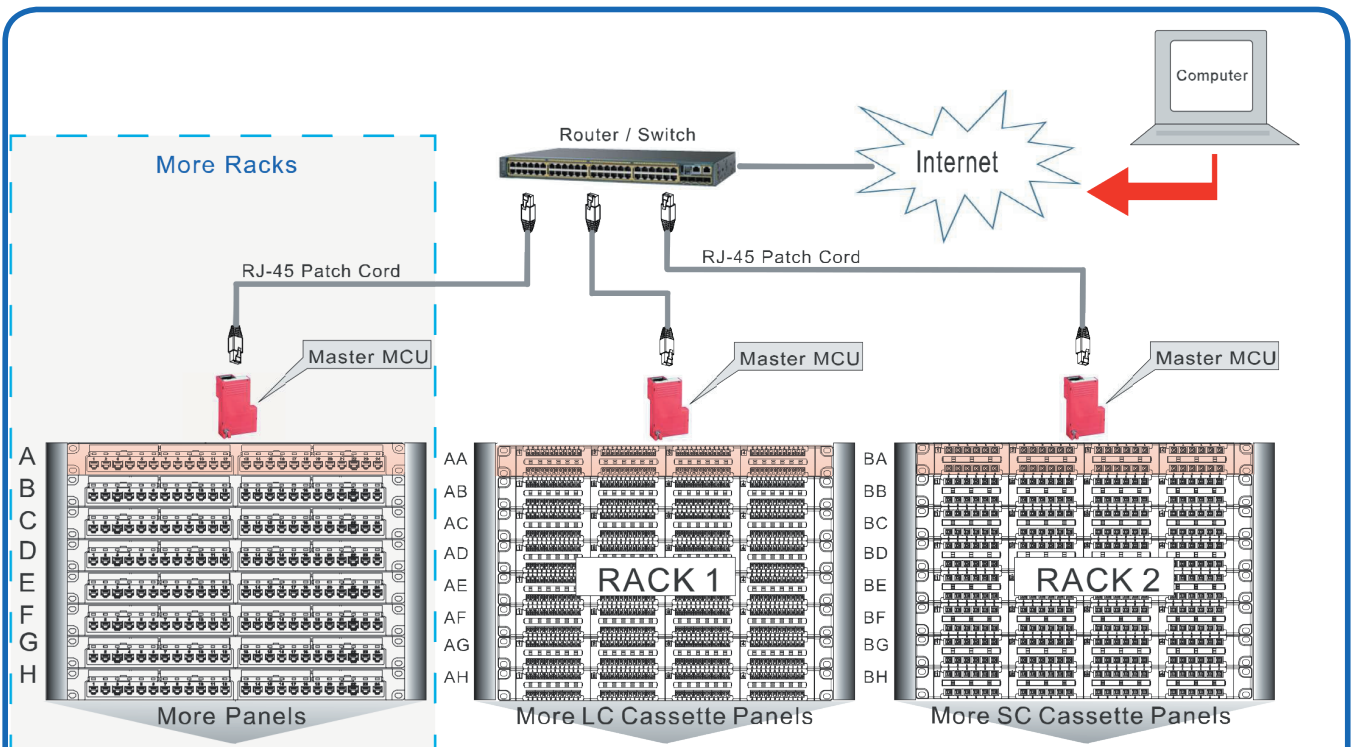
FRONT

BACK

SAME

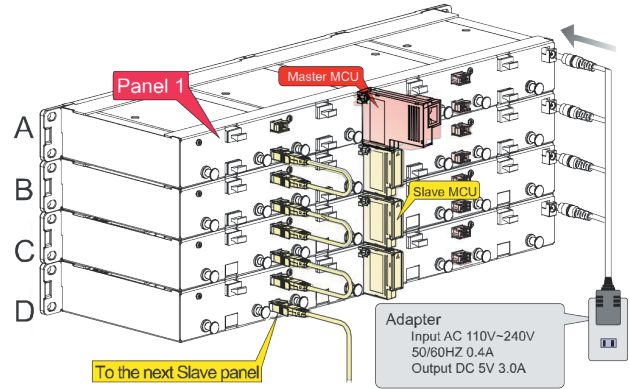
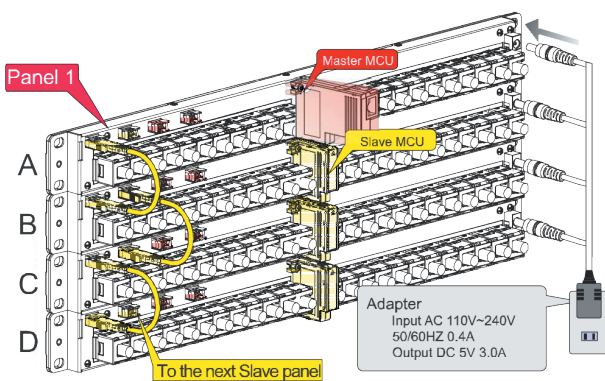
System Structure:

→ The SmartLINK™ system supports both Fiber and Copper solutions with one control box!



Copper Patch Panels

LC & SC Cassette Panels



The SmartLINK system supports both Fiber & Copper solutions

Product Spec

- Each IP address it controls each Master MCU
- Each Master MCU can control 19 Slave MCU
- Supports Class of Administration: TIA/EIA-606-A, Class4
- Power supply: A 5V/3A DC adapter can support one rack panels
- Fiber LC-MPO Cassette Panel: 1U 48-Channel (96-fiber)
Fiber SC-MPO Cassette Panel: 1U 24-Channel (48-fiber)
Copper Patch Panel: 1U 24-Port

Power Usage

Default Mode	Power Consumption	Annual total Power Consumption
Mute	0.005 W/Panel	0.05 KW.h/Panel
Running	0.1 W/Panel	0.9 KW.h/Panel
Light	0.135 W/Panel	1.2 KW.h/Panel

SmartLINK meets the requirements of TIA/EIA-606-A, Class 4



Product Features & Functions





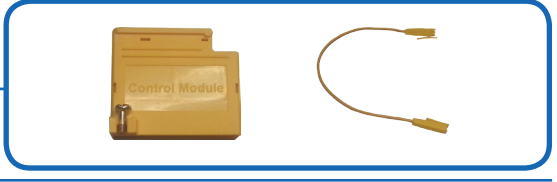


1. Follows ANSI/TIA/EIA-606-A.CLASS 4 application
2. Copper version uses regular RJ-45 patch cords <Figure 1> (CAT 5e 、 CAT 6 、 CAT 6A), Fiber version uses regular LC or SC cords.
3. Easy structured cabling planning, Cross-connection guide and management: With customizable software and the LED indicator, cabling management becomes an easy task.
4. Panel system connection monitor and real time alert: Any unauthorized activity will cause a real time alert message.
5. Easy to install and replace: The system structure is simple and MCU Modules <Figure 2> and LED modules <Figure 3> are replaceable without affecting the installed system.
6. Multiple colors of LED indicator: Two different colors of LEDs modules enable users to select (Red / Green) <Figure 3>
7. Fiber solution available:
Fiber LC-MPO Cassette Panel <Figure 4>, SC-MPO Cassette Panel <Figure 5>
8. LC-MPO & SC-MPO cassettes enable users to apply on the same panel.
9. Automatic create WorkArea database from AutoCAD file.
10. Webpage Supervised and Remote Control the system via Internet.



<Figure 4>



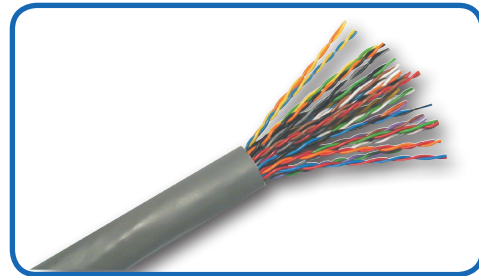
<Figure 5>

P/N	Description	Std Pkg Qty	
1402-04041	19" 1U 24 ports LED panel includes 24 pcs Cat.6 E-jacks	1	
1402-04043	19" 1U 48 ports duplex LC panel includes 4 cassettes of MPO-LC, each 2 x MPO to 12 x LC duplex (24 fiber)	1	
1402-04042	19" 1U 24 ports duplex SC panel includes 4 cassettes of MPO-SC, each 1 x MPO to 6 x SC duplex (12 fiber)	1	
1402-04044	MT MCU Module RJ45 port Micro Control Unit controls MT panel		
1402-04025	SL MCU Module Micro Control Unit controls SL panel		
1402-04027	SL Cable Connects SL panel in the same rack		
1402-04030	Adapter Provides power to Control Box and panels.		
1402-04031	Power Extension Cable, 1 to 9 Connects adapter to all panels		
1402-04028	USB Cable, 2M Connects Control Box and computer		
1402-04032	SmartLINK Software		

Cat.3 U/UTP Cable 50P&100P

Structure:

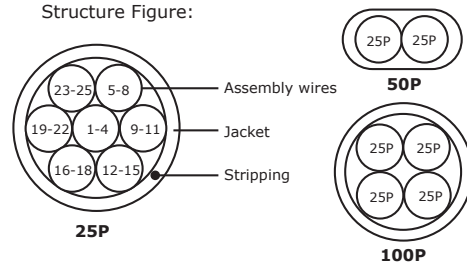
- Conductor: Annealed Copper, Diameter approx. 0.52
- Insulation Material:HDPE with thickness 0.2mm, Diameter Approx. 0.92 ± 0.05 mm
- Jacket Material:PE with thickness 1.0mm
- Diameter 50P:Approx. 14.0×26.0 mm
100P:Approx. 31.0 mm



Product Electrical Characteristics:

- Conductor Resistance: $93.8 \Omega/\text{Km}$ (20°C)
- Conductor Unbalance: 5% max.
- Dielectric Strength:DC 500V/1min.or AC 350V/1min. (Between wire and ground)
- Insulation Resistance: $1500\text{M}\Omega\text{-Km}$ DC 500V (Between wire and ground)

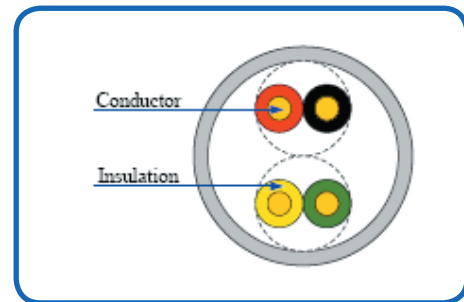
Structure Figure:



P/N	Description	Jacket	Color	Std Pkg Qty
1101-01003	Cat.3 U/UTP Cable 50P	PVC	Gray	305M/ Reel
1101-01007	Cat.3 U/UTP Cable 100P	PVC	Gray	305M/ Reel

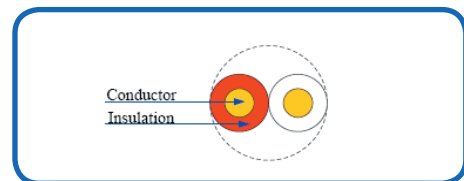
PE-PVC Telephone Cable 0.5x2P

- Conductor: 0.5 ± 0.01
- No.of Pairs:2
- Insulation Material:PP with thickness 0.25mm
- Color (Red, Black) (Yellow, Green)
- PVC Jacket Thickness 0.6mm(Nominal)
- O.D. 4.4 ± 0.2 mm
- Color Gray
- Temperature Rating 60°C
- Voltage Rating 80V



PVC Jumper Wire

- Conductor: 0.5 ± 0.01
- Insulation Material:PVC with thickness 0.3mm
- Color Red, White
- O.D. 1.1 ± 0.1 mm
- Temperature Rating 60°C
- Voltage Rating 80V



P/N	Description	Jacket	Color	Std Pkg Qty
5005-03002	PE-PVC Telephone Cable 0.5x2P	PVC	Gray	200M/ Reel
5005-03001	PVC Jumper Wire	-	Red/White	200M/ Reel

19" Cat.3 Patch Panel

Feature:

- Used in voice and low speed data applications.
- Both 25 port and 50 port are available in 1U size.
- With grounding wire

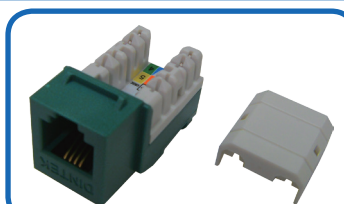


P/N	Description	Color	Std Pkg Qty
1402-01001	19" Cat.3 Patch Panel, 25 port, 1U size	Black	1
1402-01002	19" Cat.3 Patch Panel, 50 port, 1U size	Black	1

Cat.3 Keystone jack

- Can fit with Surface Mount Boxes and Wallplate Frames

P/N	Description	Color	Std Ctn Qty
1305-01007	90° Cat.3 Voice Keystone E-Jack. RJ12(6P4C)	Green	600



Outdoor Use UTP 4 Pairs Twisted Pair Cable

Application:

For Outdoor Above- Ground, Aerial or Conduit Duct Applications

- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video
- Power over Ethernet PoE / PoE+

Industry Standard:

- IEC 60332-1-2 Flame Retardancy Verified
- TIA/EIA 568B.2
- ISO/IEC 11801
- EN 50173

Cable Data:

- No. of Pairs:4
- Jacket Material:LDPE, UV Resistant
- Jacket Thickness: 0.85mm
- Self-supporting Material: Solid Steel Wire
- Jelly filled prevents moisture from minor leaks in the sheath

Product Electrical Characteristics:

- Spark Test: 2000±250 Vac
- Dielectric Strength: 2500 Vdc/ 3sec.
- Impedance:100±15 ohms
- Mutual Capacitance, max. nf/ 100m: 5.6
- DC Resistance, max. Ohms/ 100m: 9.38
- Capacitance Unbalance(Pair to Ground): 330pf/ 100m max.

P/N	Description	Jacket	Color	Std Pkg Qty	
1101-03024	Cat.5e,4P,U/UTP Horizontal Cable, 24AWG Solid Jelly Filled	PE	Black	305M/Reel	
1101-04026	Cat.6,4P,U/UTP Horizontal Cable, 23AWG Solid Jelly Filled	PE	Black	305M/Reel	
1101-03018	Cat.5e,4P,U/UTP Horizontal Cable, 24AWG Solid	PE	Black	305M/Reel	
1101-04014	Cat.6,4P,U/UTP Horizontal Cable, 23AWG Solid	PE	Black	305M/Reel	
1101-03026	Cat.5e,4P,U/UTP Horizontal Cable, 24AWG Sold	PE + Steel Wire	Black	305M/Reel	
1101-04013	Cat.6,4P,U/UTP Horizontal Cable, 23AWG Solid	PE + Steel Wire	Black	305M/Reel	

Outdoor Use FTP 4 Pairs Twisted Pair Cable

Application:

For Outdoor Above- Ground, Aerial or Conduit Duct Applications

- Voice
- Fast Ethernet(IEEE802.3)
- 100Vg-AnyLAN(IEEE 802.12)
- 100Base-T Ethernet(IEEE 802.3u)
- 155/622 Mbps 1.2/ 2.4 Gbps ATM
- 1000Base-T Ethernet
- 550 MHz Broadband video
- Power over Ethernet PoE / PoE+

Industry Standard:

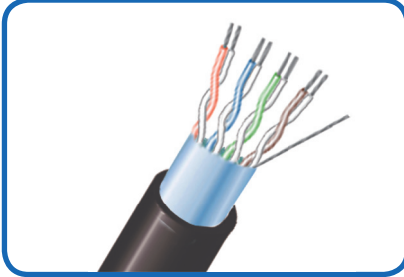
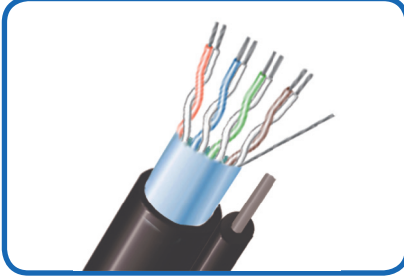
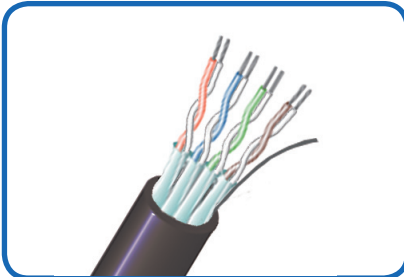
- IEC 60332-1-2 Flame Retardancy Verified
- TIA/EIA 568B.2 - Cat.5e
- ANSI/TIA-568C.2 - Cat.6
- ISO/IEC 11801 2nd edition
- EN 50173

Cable Data:

- No. of Pairs:4
- Shield Material: Aluminum foil on inside
- Inner Jacket Material: Foam-Skin PE
- Drain Wire Material: Tinned copper
- Outer Jacket Material:LDPE, UV Resistant
- Self-supporting Material: Solid Steel Wire

Product Electrical Characteristics:

- Spark Test: 850 Vac
- Dielectric Strength: 2500 Vdc/ 3sec.
- Impedance:100±15 ohms
- Mutual Capacitance, max. nf/ 100m: 5.6
- DC Resistance, max. Ohms/ 100m: 9.38
- Capacitance Unbalance(Pair to Ground):
330pf/ 100m - Cat.5e
160pf/ 100m - Cat.6



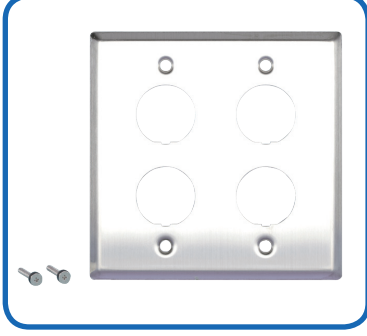
P/N	Description	Jacket	Color	Std Pkg Qty	
1103-03004	Cat.5e, 4P, F/UTP Horizontal Cable, 24AWG Solid, Outdoor	PE	Black	305M/Reel	
1103-03006	Cat.5e, 4P, F/UTP Horizontal Cable, 24AWG Solid, Outdoor	PE + Steel Wire	Black	305M/Reel	
1103-04001	Cat.6, 4P, U/FTP Horizontal Cable, 23AWG Solid, Outdoor	PE	Black	305M/Reel	

IP67 Faceplates

DINTEK's industrial faceplate is both waterproof and dustproof faceplate. It provides good protection for your connectors and other components.

Features:

- Endured high UV, humidity, oily and acidic environments
- Meets IP67 standard
- Meet UL 1863 compliant
- Operating Temperature : -25°C to 70°C
- A durable and fully enclosed design

P/N	Description	Color	Std Pkg Qty	
1303-00001	1-port Industrial Faceplate	Stainless Steel	60	
1303-00002	2-port Industrial Faceplate	Stainless Steel	60	
1303-00003	4-port Industrial Faceplate	Stainless Steel	40	

IP67 Mounting Boxes

DINTEK's industrial boxes are IP 67 complied accessories. The stainless steel surface can anticorrosive and waterproof. The plastic is fire retardant UL94V-0 material and UL verified.

It's the best companies for your industrial cabling solution.

Features:

- UL safety verified
- UL94V-0 fire retardant plastic
- Meets IP67 standard
- Stainless steel cover
- Operating Temperature : -25°C to 70°C

P/N	Description	Color	Std Pkg Qty	
1304-00001	1 port industrial box with patch plug	Stainless Steel	1	
1304-00002	2 port industrial box with 2 patch plugs and 1 filler	Stainless Steel	1	
1304-00003	3 port industrial box with 3 patch plugs and 2 fillers	Stainless Steel	1	
1304-00004	4 port industrial box with 4 patch plugs and 3 fillers	Stainless Steel	1	

IP67 RJ-45 Keystone Jack

Features:

- UL safety and performance verified
- Meets IP67 standard
- Meet UL 1863 compliant
- Operating Temperature : -25°C to 70°C

Physical:

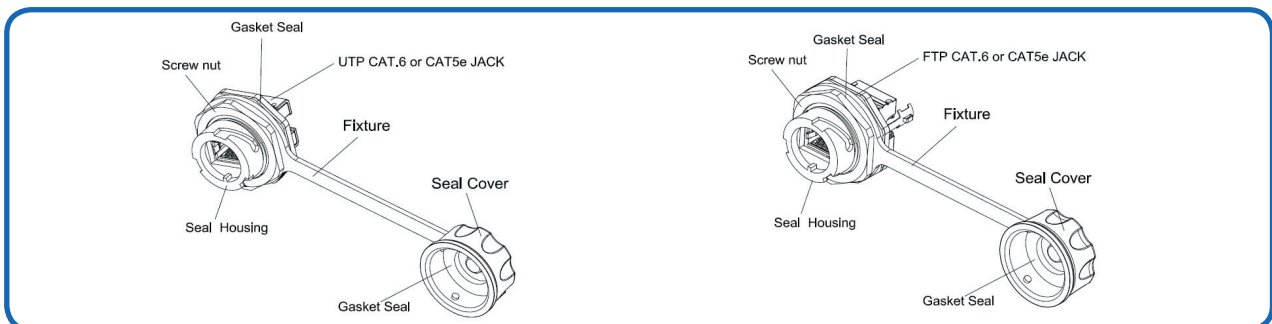
- Accepts 22-26 AWG, stranded or solid wire
- Jack wiring: 50 u" gold plated over 100 u" nickel
- Housing: High impact flame retardant plastic
- UL94V-0 rated

Mechanical:

- Total Contact Force: 800 GRAMS for 8 wire leads min.
- Plug insertion life: 750 cycle min.
- Plug retention force: 50N for 60sec.

Electrical:

- Current rating: 1.5 Amps
- Insulation resistance: 500 Mega-ohms min.
- Contact resistance: 20 milli-ohms max.
- DC resistance: 0.1 ohms max.
- Transmission quality verified up to 250MHz



P/N	Description	Std Pkg Qty	Std Ctn Qty	
1305-04050	Cat. 6 FTP keystone jack, Component Level	50	200	
1305-04051	Cat. 6 UTP keystone jack, Component Level	50	200	
1305-03054	Cat.5e FTP keystone jack, Component Level	50	200	
1305-03055	Cat.5e UTP keystone jack, Component Level	50	200	

IP67 Patch Cords

Industrial patch cords fully protect your cables to ensure the performance and quality of your system. The cable material maintains good performance and ensures conformance with the standard.

Features:

- Endures high UV, humidity, oily and acidic environments
- Special plastic material to meet IP67 requirement
- Completely compatible with industrial connectors
- Customized lengths available
- Operating Temperature : -25°C to 70°C

P/N	Description	Length(M)	Std ctn Qty	
1201-04157		1	60	
1201-04158	Cat. 6 FTP component level Industrial patch cord	2	50	
1201-04159		3	40	
1201-04160		5	40	
1201-04161		1	60	
1201-04162	Cat.6 UTP component level Industrial patch cord	2	50	
1201-04163		3	40	
1201-04164		5	40	
1201-03326		1	60	
1201-03327	Cat.5e FTP component level Industrial patch cord	2	50	
1201-03328		3	40	
1201-03329		5	40	
1201-03330		1	60	
1201-03331	Cat.5e UTP component level Industrial patch cord	2	50	
1201-03332		3	40	
1201-03333		5	40	

P/N	Description	Std Pkg Qty	Std ctn Qty	
1501-88035	Cat. 6 FTP component level Industrial patch plug	50	200	
1501-88036	Cat. 6 UTP component level Industrial patch plug	50	200	
1501-88033	Cat. 5e FTP component level Industrial patch plug	50	200	
1501-88034	Cat. 5e UTP component level Industrial patch plug	50	200	

P/N	Description	Std Pkg Qty	Std ctn Qty	
1305-03056	Cat.5e UTP jack to jack adapter, channel level thermoplastic IP67	20	320	
1501-88042	Cat. 5e UTP patch plug channel level, thermoplastic IP67	30	360	
1305-03057	Cat. 5e FTP jack to jack adapter, channel level Zn Alloy IP67	20	160	  <p style="text-align: center;">Front Rear</p>
1501-88043	Cat. 5e FTP patch plug channel level, Zn Alloy IP67	20	400	

Field Terminable RJ-45 Plug, IP20

Features:

- A fast and reliable termination on field
- Fully shielded and fully metal housing guarantee secure and reliable transmission performance

Application:

- For ethernet FTP solutions
- Provides either T568A or T568B configuration
- Compatible with cable dimension from 6-8mm

Industry Standard:

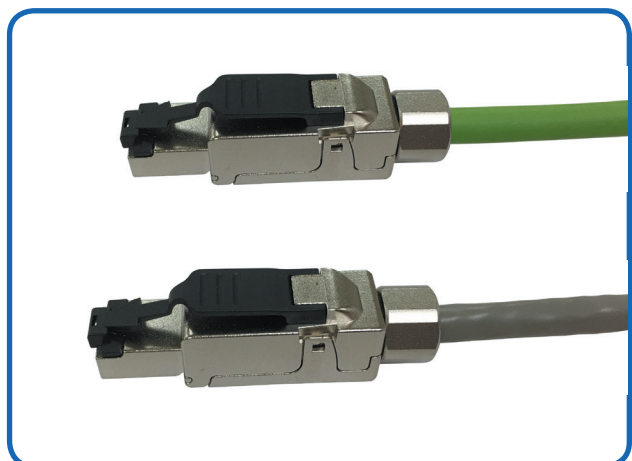
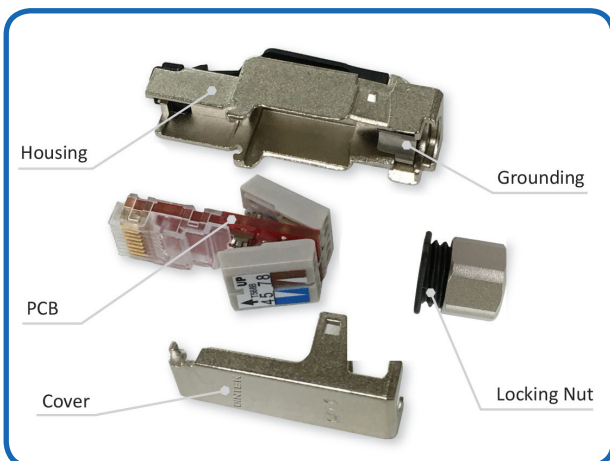
- UL 1863 safety listed
- ANSI/TIA-568C.2
- ISO/IEC 11801


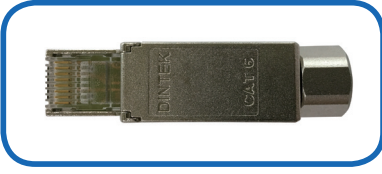

Electrical:

- Insulation resistance: 500Mega-ohms min.
- Dielectric with standing voltage: 1000V, RMS, 60Hz, 1min.
- Contact to Contact: 1500V D.C or A.C Peak
- Contact to Shield: @60Hz for 1 minute

Physical:

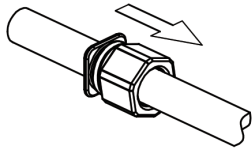
- Housing: Zinc-alloy fully shielded
- Contact material: Phosphor bronze alloy
- Contact plating: 50u" gold plated over 100u"nickel.
- IDC Wire Gauge: 22-26AWG
- Temperature Range: Storage -40°C to 70°C
Operating -10°C to 60°C



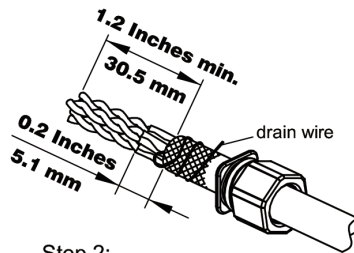
P/N	Description	Std Pkg Qty	Std Ctn Qty	
1505-05001	Cat.6A Field Terminable RJ-45 Plug Fully Shielded	100	600	
1505-04001	Cat.6 Field Terminable RJ-45 Plug Fully Shielded	100	600	
1505-03001	Cat.5e Field Terminable RJ-45 Plug Fully Shielded	100	600	

Field Terminable RJ-45 Plug

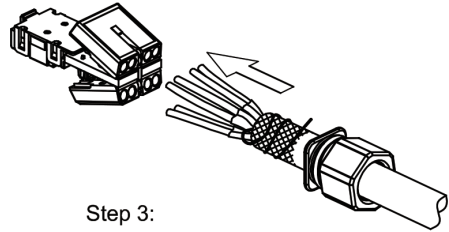
Instruction:



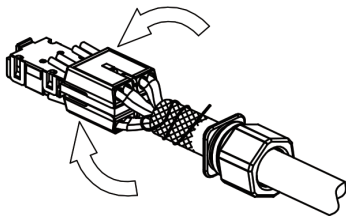
Step 1:
Put cable through the Nut.
(OD:6~8mm;22~26AWG)



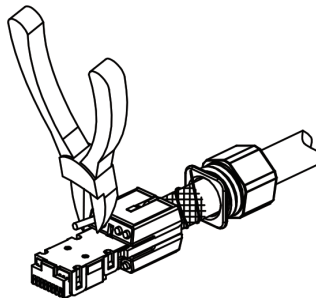
Step 2:
①Strip off cable jacket for at least 1.2 Inches and retain a 0.2 Inches foil from cable end.
②Back cover the braid then wrap the drain wire on it.



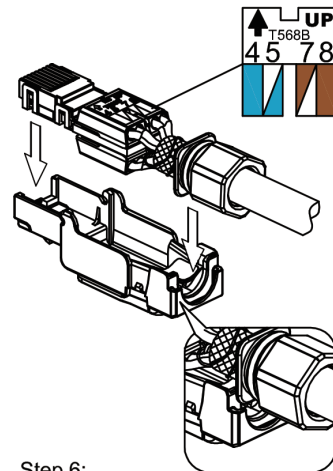
Step 3:
Put wires through wiring management in accordance with wiring color code.



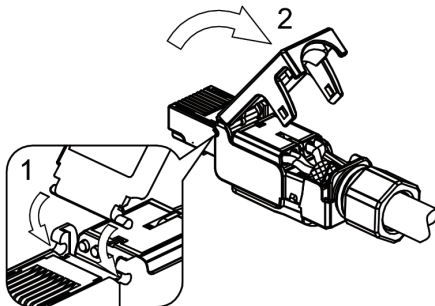
Step 4:
Press wiring management to terminate wires.



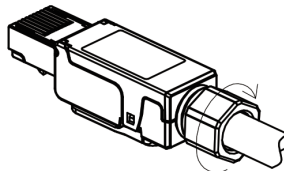
Step 5:
Trim excess wires.



Step 6:
Assemble the wiring management ("UP" on the top surface) into the groove of base housing, and locate the nut in the indicated slot.

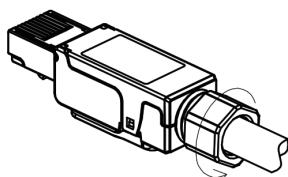


Step 7:
1.Put cover into revolving groove.
2.Then press the cover to engage with base housing.

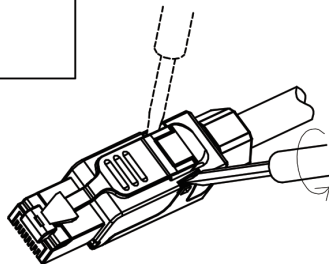


Step 8:
Lock and tight the nut.

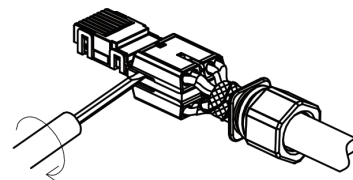
Disassembly Instruction:



Step 1:
Unlock the nut.



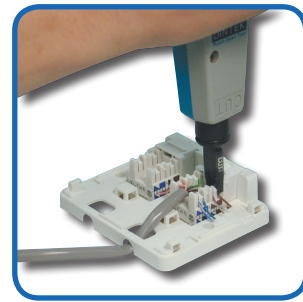
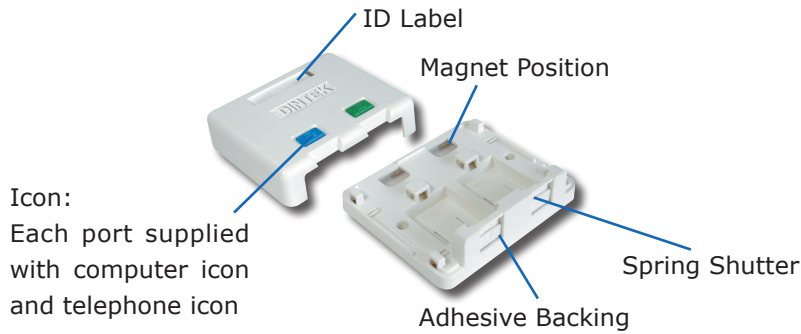
Step 2:
Insert the slotted screwdriver into the slot and rotate to open the jaws.





Step 3:
Insert the slotted screwdriver into the slot and rotate to open the wiring Management.

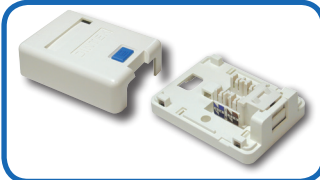


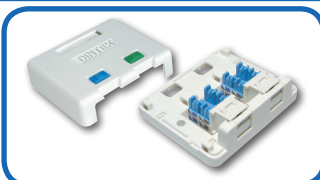
Surface Mount Box

→ Exceeds the needs of the designer, installer and end user with performance, quality aesthetics in the work area.



P/N	Description	Dimension	Std Pkg Qty	Std Ctn Qty	
1301-02012	1 Port Surface Mount Box with Spring Shutter	65x48x27mm	100	200	
1301-02013	2 Port Surface Mount Box with Spring Shutter	65x76x27mm	90	180	


Surface Mount Outlet

P/N	Description	Dimension	Std Pkg Qty	Std Ctn Qty	
1302-04007	Cat.6 1 Port Surface Mount Outlet with Spring Shutter, for T568A/ B	65x48x27mm	100	200	
1302-04008	Cat.6 2 Port Surface Mount Outlet with Spring Shutter, for T568A/ B	65x76x27mm	90	180	
1302-03019	Cat.5e 1 Port Surface Mount Outlet with Spring Shutter, for T568A/ B	65x48x27mm	100	200	
1302-03020	Cat.5e 2 Port Surface Mount Outlet with Spring Shutter, for T568A/ B	65x76x27mm	90	180	

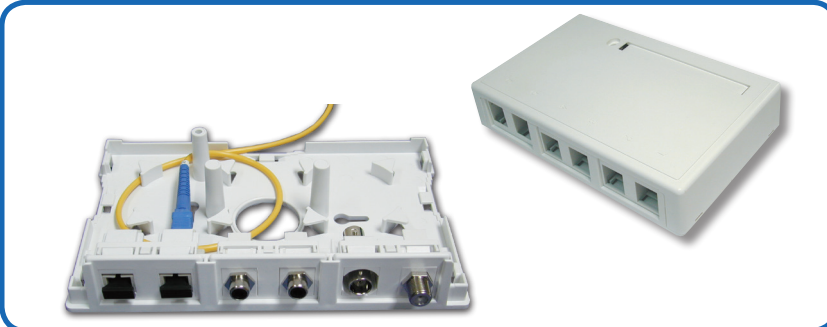
Multimedia Insert

- Works with cat.5e and cat.6 keystone jacks, fiber ST and SC and coaxial.
- Modular design for easily accommodate any changes or for future expansions

P/N	Description	Color
1306-05006	BNC-type insert w/ connector, Fig.A	white
1306-08005	RCA-type insert w/ connector, Fig.B	white
1306-11001	S-Video insert w/ connector, Fig.C	white
1306-02006	F-type insert w/connector, Fig.D	white
1306-03006	ST-type insert w/connector, Fig.E	white
1306-07006	SC-type insert w/connector, Fig.F	white



1301-01011	Multimedia Box 6 port, white color 170x109x35mm
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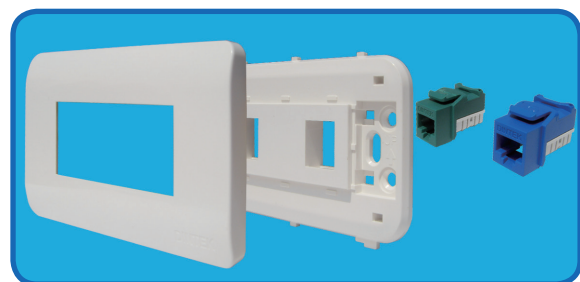
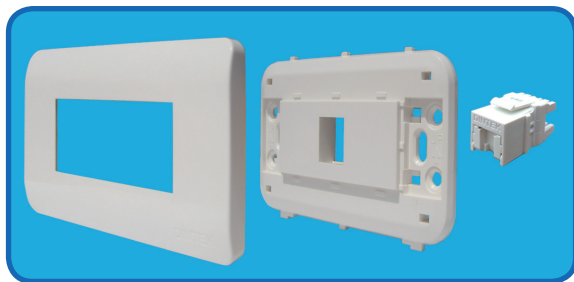


CurvaPlate, US Type wallplate

- Material: ABS, white color
- Can fit with Cat.5e, Cat.6 and Cat.6A Keystone Jacks




P/N	Description	Dimension	Std Pkg Qty	Std Ctn Qty
1303-11030	1 Port Wallplate CurvaPlate	70 x 120 mm	150	300
1303-11031	2 Port Wallplate CurvaPlate	70 x 120 mm	150	300



US Type, wallplate frame

- Material: ABS, white color
- Can fit with Cat.5e, Cat.6 and Cat.6A Keystone Jacks


P/N	Description	Dimension	Std Ctn Qty
1303-11024	1 Port Wallplate w/o shutter	70 X 114 mm	400
1303-11021	2 Port Wallplate w/o shutter	70 X 114 mm	400
1303-11025	3 Port Wallplate w/o shutter	70 X 114 mm	400
1303-11022	4 Port Wallplate w/o shutter	70 X 114 mm	400
1303-11023	6 Port Wallplate w/o shutter	70 X 114 mm	400
1303-11026	4 Port 45° Wallplate, U.S. type (10 pcs/ bag)	70 X 114 mm	200



UK Type, wallplate frame

- Material: ABS
- Can fit with Cat.5e, Cat.6 and Cat.6A Keystone Jacks

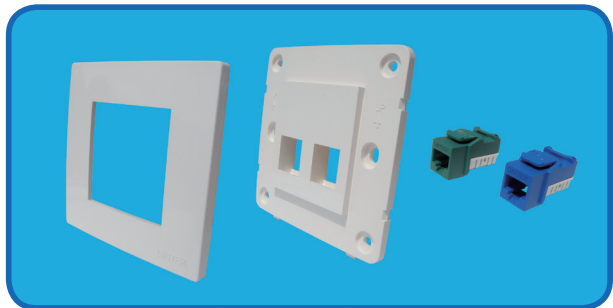
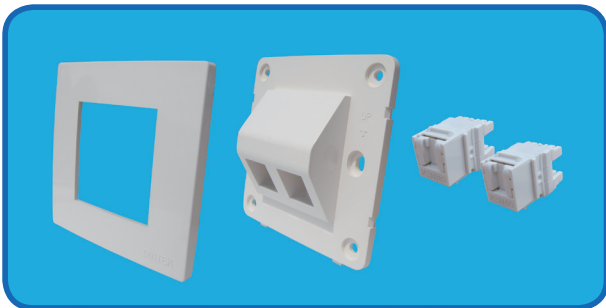
P/N	Description	Color	Dimension	Std Ctn Qty
1303-12010	2 Port Wallplate with Shutter	White	86 X 86 mm	200
1303-12011	1 Port Wallplate with Shutter	White	86 X 86 mm	200
1303-12025	2 Port Wallplate Angle type with Shutter	White	86 X 86 mm	200
1303-12032	1 Port Wallplate Angle type with Shutter	White	86 X 86 mm	200



CurvaPlate, UK Type wallplate


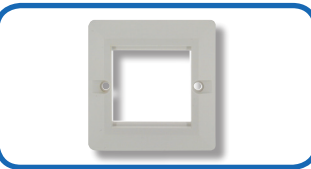




- Material: ABS, white color
- Can fit with Cat.5e, Cat.6 and Cat.6A Keystone Jacks

P/N	Description	Dimension	Std Ctn Qty
1303-12036	1 Port Wallplate CurvaPlate	86 X 86 mm	300
1303-12037	2 Port Wallplate CurvaPlate	86 X 86 mm	300
1303-12040	1 Port Wallplate 45 degree CurvaPlate	86 X 86 mm	200
1303-12041	2 Port Wallplate 45 degree CurvaPlate	86 X 86 mm	200




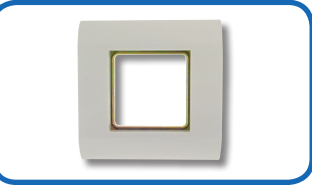

Euro Type, wallplate frame

- Material: ABS
- Can fit with Cat.5e or Cat.6 Keystone Jack

P/N	Description	Color	Dimension	Std Ctn Qty	
1303-13003	1 port wall plate with shutter bevel face.	White	80x80mm		
1303-13004	2 port wall plate with shutter bevel face.	White	80x80mm		
1303-13009	Single gang bevel face frame.	White	80x80mm		
1306-01007	Blank bracket	White	50x50mm	-	
1306-01006	Blank bracket	White	25x50mm	-	
1306-01005	Blank bracket	White	12.5x50mm	-	
1306-07004	SC type bracket	White	25x50mm	-	
1306-03005	ST type bracket	White	25x50mm	-	
1306-06015	Keystone jack angle type bracket with shutter.	White	25x50mm	-	



French Type, wallplate frame

- Material: ABS
- Can fit with Cat.5e or Cat.6 Keystone Jack

P/N	Description	Color	Dimension	Std Ctn Qty	
1303-17001	1 port wall plate with shutter, with 1pcs 45x45mm keystone bracket.	White	80x80mm	-	
1303-17002	2 port wall plate with shutter, with 2 pcs 22.5 x45mm keystone bracket	White	80x80mm	-	
1303-17003	Single gang rounded frame	White	80x80mm	-	
1306-06009	1 port keystone bracket	White	22.5x45mm	-	
1306-06010	1 port keystone bracket	White	45x45mm	-	

German Type, wallplate frame

- Material: ABS
- Shielded: Zinc Diecast
- Connector: RJ45 Jack included
- 45° angle type

P/N	Description	Color	Dimension	Std Ctn Qty	
1303-18001	Cat.5e 1 port with unshielded keystone jack	Ivory	80x80mm	-	
1303-18003	Cat.5e 1 port with shielded keystone jack.	Ivory	80x80mm	-	
1303-18002	Cat.5e 2 port with unshielded keystone jack	Ivory	80x80mm	-	
1303-18004	Cat.5e 2 port with shielded keystone jack	Ivory	80x80mm	-	
1303-13005	Faceplate, fixed type, 1 port, 45 degree type, w/shutter, w/ station ID & shutter.Euro type	Ivory	80x80mm	-	
1303-13006	Faceplate, fixed type, 2 port, 45 degree type, w/shutter, w/ station ID & shutter.Euro type	Ivory	80x80mm	-	

In-Wall Box

→ Includes Adhesive Backing and cable tie

P/N	Description	Color	Dimension	Std Ctn Qty
1304-12001	In-wall box(U.K. type)	White	38x87x87mm	100
1304-13001	In-wall box(Euro type)	White	45x81x81mm	100
1304-11004	In-wall box(U.S. type)	White	38x69.8x114 mm	100
1304-11003	In-wall box(U.S. type)	White	48x69.8x114 mm	80



Inline Couplers

- Allows cabling to be lengthened without compromising signal integrity.
- Adapter type: RJ45 extension coupler
- Keystone type: RJ45 keystone coupler for easy snap-in and release.
- Block type: To connect two twisted pair cables.

P/N	Description	Std Pkg Qty	Std Ctn Qty	
1701-01028	cat.6 inline coupler. unshielded. mount in wallplates or panel.	100	600	
1701-01029	cat.6 inline coupler. fully shielded. mount in wallplates or panel.	100	600	
1701-01033	cat.6 90 degree coupler. fully shielded. mount in wallplates or panel.	80	480	
1701-01034	cat.6A 90 degree coupler. fully shielded. mount in wallplates or panel.	80	480	
1701-01004	cat.5e. inline coupler. unshielded. jack to jack adapter type.	80	480	
1701-01020	cat.5e. inline coupler. shielded. jack to jack adapter type.	80	480	
1701-01005	cat.5e. inline coupler. fully shielded. jack to jack adapter type.	80	480	
1701-01015	cat.5e. inline coupler. unshielded. jack to jack adapter type. cross-over	80	480	
1701-01016	cat.5e. inline coupler. unshielded. new jack to jack adapter type.	80	480	
1701-01017	cat.5e. inline coupler. shielded. new jack to jack adapter type.	80	480	
1701-01006	cat.5e. inline coupler. unshielded. block to block type.	80	480	
1701-01001	cat.5e. inline coupler. shielded. block to block type.	80	480	

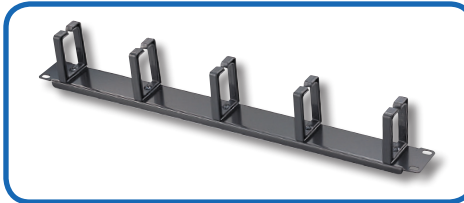


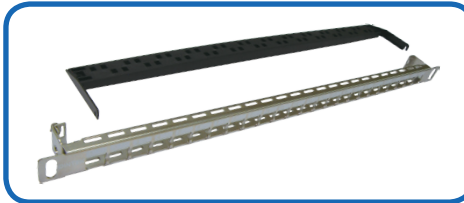

Cable Management Panels

- Organize cables on the front and/or back of a rack to give installations an extremely neat, professional appearance
- Large capacity duct to allows quick shifting, adding and changing cables.

P/N	Description	Std Ctn Qty	
2304-01001	1U Space Panel-Manages cables on front and rear of rack. Includes 40mmX40mm duct on front 25mmX60mm duct on rear	20	
2304-01003	1U Space Panel-Manages cables on front of rack only Includes 40mmX40mm duct on front	20	
2304-01002	2U Space Panel-Manages cables on front and rear of rack Includes 80mmX80mm duct on front 60mmX80mm duct on rear	10	
2304-01004	2U Space Panel-Manages cables on front of rack only Includes 80mmX80mm duct on front	28	

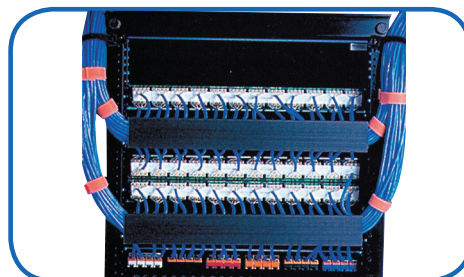
Cable Management Panels


- Keeping large bundles well-organized
- Can be mounted on 19" EIA racks

P/N	Description	Std Ctn Qty	
2304-02001	19" 1U metal type cable entry panel with 5 hangers	25	
2304-02011	19" 1U metal type cable entry panel with 5 hangers & cover	-	
1406-00041	19" 1U 24 port blank patch panel, work with RJ45 keystone jack	15	
1406-00032	19" 0.5U 24 port blank patch panel, work with RJ45 shielded keystone jack	15	
2304-03004	19" 1U brush type cable entry panel	59	

Versatile Cable Ties

- Prevents over tensioning of high performance Category 5e and fiber optic cables.
- Easy to release and reuse
- Ideal for applications requiring frequent cabling moves, adds or changes.



P/N	Color	Width	Max Bundle Dia	Std Pkg Qty	
2307-05001	Mixed 6 colors 4 pcs each	20mm	70mm	24	

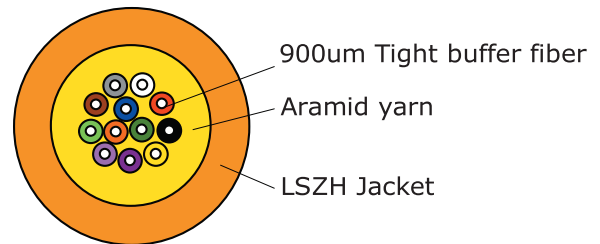
In-Door Fiber Optic Cable---Multi Purpose Distribution Cable

In-Door Fiber Optic Cable:

- Standard 04, 06, 08, 12C, and 14-24C upon request
- Extremely flexible, tight buffer cable design
- Meet the fire performance test of IEC60332-3C

Application:

- Inter-building
- Backbone premise pathways
- Drop ceiling
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center



Construction:

Tight buffer fiber Diameter	900±50 µm
Core reinforce	Aramid Yarn
Outer jacket material	LSZH
Color	SM:Yellow OM3:Aqua MM:Orange

Mechanical:

Max. loading (IEC60794-1) Installation / Operation	440N / 130N
Min. bend radius(IEC60794-1) Static / Dynamic	10xD / 20xD mm
Crush resistance(IEC60794-1)	1000N / 100mm

Physical:

Fiber count	4C	6C	8C	12C	24C
Cable diameter (mm)	4.8	5.1	5.6	6.2	8.1
Cable weight (kg/km)	18	23	31	36	57
Temperature rating Operation / Storage	-5°C to 50°C / -20°C to 60°C				

Transmission Performance:

Fiber type		OS2 (9/125µm)		OM3 (50/125µm)		OM2 (50/125µm)		OM1 (62.5/125µm)	
		1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	Typical	0.36	0.22	3.0	1.0	3.0	1.0	3.0	1.0
	Maximum	0.5	0.4	3.5	1.5	3.5	1.5	3.5	1.5
Bandwidth (MHz-km)	@850nm	---		≥1500		≥500		≥200	
	@1300nm	---		≥500		≥500		≥600	

P/N	Description	Std Pkg Qty
2101-XX007	4C	2km/reel
2101-XX008	6C	2km/reel
2101-XX009	8C	2km/reel
2101-XX010	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125µm
 02-OM2, Multi-Mode, 50/ 125µm
 03-OM1, Multi-Mode, 62.5/ 125µm
 04-OM3, Multi-Mode, 50/ 125µm



- Fiber counts 14-24C are available upon request

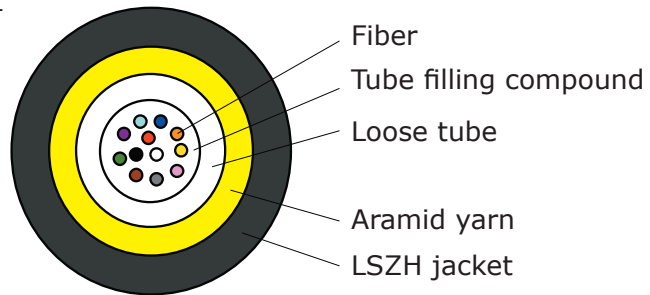
Indoor/Outdoor Fiber Optic Cable---Access Building Cable

Feature:

- Standard 02-24C
- Central code tube design
- Meet the fire performance test of IEC332-1

Application:

- Indoor/Outdoor in ducts
- Backbone premise pathways
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center



Construction:

Loose tube material	PBT
Water blocking material	Fiber filling
Core reinforce	Aramid yarn
Outer jacket material	LSZH, Black
Jacket thickness	Average 1.6mm

Mechanical:

Max. loading (IEC794-1) Installation / Operation	1000N / 400N
Min. bend radius (IEC794-1) Static / Dynamic	10xD / 20xD mm
Crush resistance (IEC794-1)	1000N / 100mm

Physical:

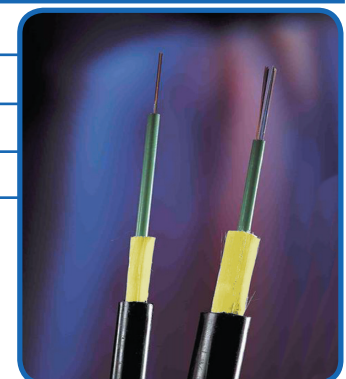
Fiber count	02-12C	14-24C
Cable diameter (mm)	6.2±0.4	7.2±0.4
Cable weight (kg/km)	42	59
Temperature rating Operation / Storage	-20°C to 60°C / -20°C to 60°C	

Transmission Performace:

Fiber type		OS2 (9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
		1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	Typical	0.36	0.22	3.0	1.0	3.0	1.0	3.0	1.0
	Maximum	0.5	0.4	3.5	1.5	3.5	1.5	3.5	1.5
Bandwidth (MHz-km)	@850nm	---		≥1500		≥500		≥200	
	@1300nm	---		≥500		≥500		≥600	

P/N	Description	Std Pkg Qty
2102-XX010	4C	2km/reel
2102-XX011	6C	2km/reel
2102-XX012	8C	2km/reel
2102-XX013	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um
 04-OM3, Multi-Mode, 50/ 125um



→ Fiber counts 14-24C are available upon request

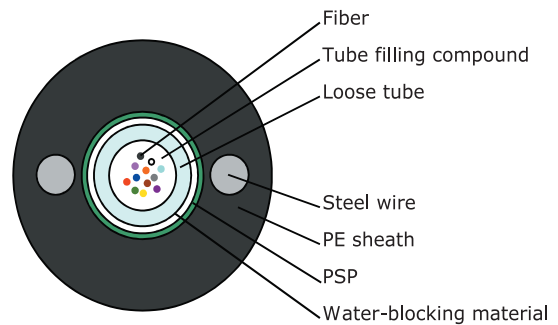
Out-Door Armor Fiber Optic Cable---Unitube Light-armed Cable

Feature:

- Standard 02-24C
- Central code tube design

Application:

- Duct/Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center



Construction:

Loose tube material	PBT	
Light Armor	PSP	
Steel Wire (mm)	1.2 (02-12C)	1.6 (14-24C)
Outer jacket material	PE, Black	
Sheath thickness	Average 2.2mm	

Mechanical:

Tensile Strength	Long Term	600N (02-12C)	1000N (14-24C)
	Short Term	1500N (02-12C)	3000N (14-24C)
Crush resistance	Long Term	300N / 100mm	
	Short Term	1000N / 100mm	
Min. bend radius	Static	10xDia. mm	
	Dynamic	20xDia. mm	

Physical:

Fiber count	02-12C	14-24C
Cable diameter (mm)	appro. 8.7	appro. 12.0
Cable weight (kg/km)	appro. 82	appro. 147
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C	

Transmission Performance:

Fiber type	OS2 G652(9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤3.0	≤1.0	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥1500	≥500	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX440	4C	2km/reel
2103-XX441	6C	2km/reel
2103-XX442	8C	2km/reel
2103-XX443	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um
 04-OM3, Multi-Mode, 50/ 125um



- Fiber counts 14-24C are available upon request

Out-Door Dielectric Fiber Optic Cable---Loose Tube Non-metallic

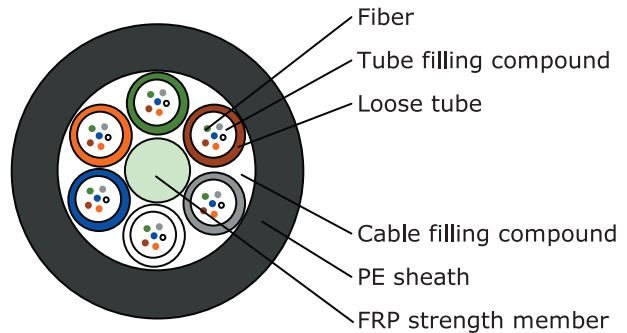
Feature:

- Standard 02-48C, and up to 144C
- Loose tube non-metallic cable

Application:

- Duct/Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center

Non-armored Cable



Construction:

Loose tube material	PBT
Strength member	FRP
Outer jacket material	PE, Black
Sheath thickness	Average 1.8mm

Mechanical:

Tensile Strength	Long Term	300N (02-36C)	600N (38-72C)	1000N (74-144C)
	Short Term	1000N (02-36C)	1500N (38-72C)	3000N (74-144C)
Crush resistance	Long Term	300N / 100mm		
	Short Term	1000N / 100mm		
Min. bend radius	Static	10xDia. mm		
	Dynamic	20xDia. mm		

Physical:

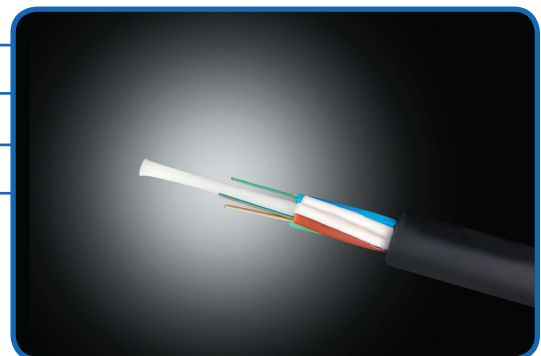
Fiber count	02-36C	38-48C
Cable diameter (mm)	appro. 10.5	appro. 11.7
Cable weight (kg/km)	appro. 93	appro. 115
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C	

Transmission Performance:

Fiber type	OS2 G652(9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤2.5	≤0.8	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥1500	≥500	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX332	4C	2km/reel
2103-XX333	6C	2km/reel
2103-XX334	8C	2km/reel
2103-XX335	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um
 04-OM3, Multi-Mode, 50/ 125um



- Fiber counts 14-144C are available upon request

Out-Door Armor Fiber Optic Cable---Loose Tube Light-armed Cable

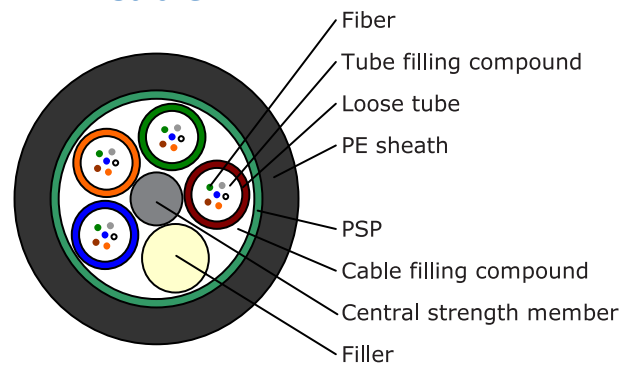
Feature:

- Standard 02-60C, and up to 144C
- Loose tube light-armed cable

Application:

- Duct/Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center

Cable



Construction:

Loose tube material	PBT
Light Armor	PSP
Strength member	Steel wire
Outer jacket material	PE, Black
Sheath thickness	Average 1.6mm

Mechanical:

Tensile Strength	Long Term	300N (02-30C)	600N (32-36C)	1000N (38-60C)
	Short Term	1000N (02-30C)	1500N (32-36C)	3000N (38-60C)
Crush resistance	Long Term	300N / 100mm		
	Short Term	1000N / 100mm		
Min. bend radius	Static	10xDia. mm		
	Dynamic	20xDia. mm		

Physical:

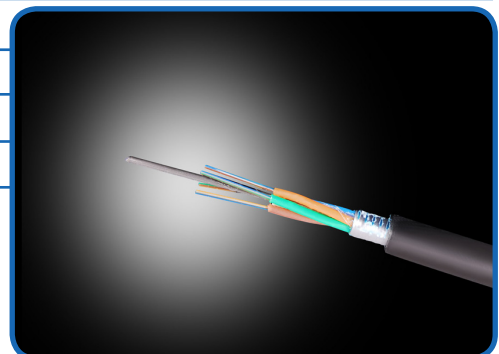
Fiber count	02-30C	32-36C	38-60C
Cable diameter (mm)	appro. 9.2	appro. 9.7	appro. 10.2
Cable weight (kg/km)	appro. 104	appro. 123	appro. 127
Temperature rating Operation / Storage	-40°C to 70°C / -40°C to 70°C		

Transmission Performance:

Fiber type	OS2 G652(9/125um)		OM3 (50/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤3.0	≤1.0	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥1500	≥500	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX224	4C	2km/reel
2103-XX225	6C	2km/reel
2103-XX226	8C	2km/reel
2103-XX227	12C	2km/reel

- XX: 01-OS2, Single-Mode, 9/ 125um
- 02-OM2, Multi-Mode, 50/ 125um
- 03-OM1, Multi-Mode, 62.5/ 125um
- 04-OM3, Multi-Mode, 50/ 125um



- Fiber counts 14-144C are available upon request

Out-Door Self-supporting Fiber Optic Cable---Figure 8

Feature:

- Standard 02-30C
- Self-supporting armored cable

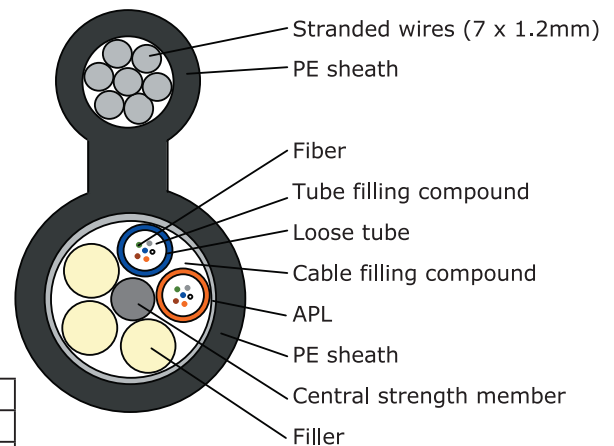
Application:

- Aerial
- Backbone in LAN, MAN, WAN
- 10Gbps Ethernet
- 550MHz Broadband Video
- SAN, Data Center

Construction:

Loose tube material	PBT
Light Armor	APL
Strength member	Steel wire
Stranded wires	Steel (7 x 1.2mm)
Outer jacket material	PE, Black
Sheath thickness	
Suspension	Average 1.0mm
Cable core	Average 1.5mm

Loose Tube Armored Cable



Mechanical:

Tensile Strength	Long Term	600N
	Short Term	1500N
Crush resistance	Long Term	300N / 100mm
	Short Term	1000N / 100mm
Min. bend radius	Static	10xDia. mm
	Dynamic	20xDia. mm

Physical:

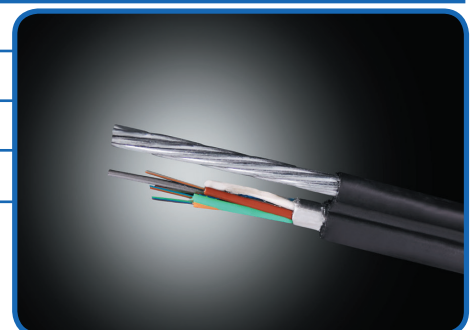
Fiber count	02-30C
Cable diameter (mm)	appro. 5.6×9.2×16.8 mm
Cable weight (kg/km)	appro. 162
Temperature rating	
Operation / Storage	-40°C to 70°C / -40°C to 70°C

Transmission Performace:

Fiber type	OS2 G652(9/125um)		OM2 (50/125um)		OM1 (62.5/125um)	
	1310nm	1550nm	850nm	1300nm	850nm	1300nm
Attenuation (dB/km)	≤0.36	≤0.22	≤3.0	≤1.0	≤3.3	≤1.0
Bandwidth (MHz-km)	---	---	≥500	≥500	≥200	≥600

P/N	Description	Std Pkg Qty
2103-XX664	4C	2km/reel
2103-XX665	6C	2km/reel
2103-XX666	8C	2km/reel
2103-XX667	12C	2km/reel

XX: 01-OS2, Single-Mode, 9/ 125um
 02-OM2, Multi-Mode, 50/ 125um
 03-OM1, Multi-Mode, 62.5/ 125um

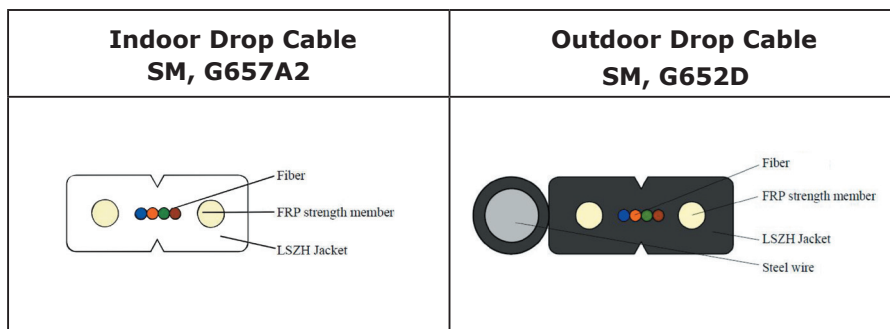


- Fiber counts 14-30C are available upon request

FTTH Flat drop cable (FRP)

Features:

- Standard 1-4C fiber ribbon
- Easy for stripping
- Indoor and outdoor application
- Meet the fire performance test of IEC60332-1



Construction:

Fiber Diameter	250 μm	
Core reinforce	FRP	
Strength member	-	Steel wire
Outer jacket material	LSZH	LSZH
Color	White	Black

Mechanical:

Max. loading (IEC60794-1) Installation / Operation	80N / 40N	600N / 300N(with steel wire)
Min. bend radius(IEC60794-1)	30mm	30mm(w/o steel wire)
Crush resistance(IEC60794-1)	1000N / 100mm	2200N / 100mm

Physical:

Cable diameter (mm)	2.0x3.0	2.0x5.2
Cable weight (kg/km)	8	20
Temperature rating Operation / Storage	-20°C to 60°C / -20°C to 60°C	

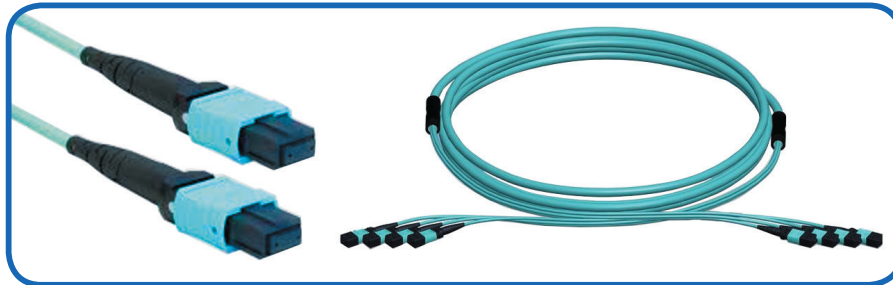
Transmission Performance:

Fiber type		OS2 (9/125um)				
		1310nm	1550nm	1310nm	1550nm	
Attenuation (dB/km)	Typical	0.36	0.22	0.36	0.22	
	Maximum	0.5	0.4	0.5	0.4	
Macro-bend induced attenuation (@1550nm)		G657A2			G652D	
	Radius (mm)	7.5	10	15	16	25
	Number of turns	1	1	10	1	100
	Max. at 1550 nm (dB)	≤0.5dB	≤0.1dB	≤0.03dB	≤0.05dB	≤0.05dB

P/N	Description	Std Pkg Qty
2101-01028	Indoor SM, G657A2, 2C, LSZH Jacket, White	500m/reel
2101-01029	Indoor SM, G657A2, 4C, LSZH Jacket, White	500m/reel
2103-01049	Outdoor SM, G652D, 2C, LSZH Jacket, Black, Steel wire	500m/reel
2103-01050	Outdoor SM, G652D, 4C, LSZH Jacket, Black, Steel wire	500m/reel

MPO Trunk Cables

The DINTEK MPO cabling system is ideally suited for a high density environment that demands space saving cable density and innovative cable management solutions. Simply install the MPO trunk cable within the building and connect to the rear of a MPO patch panel or fan-Out.



Feature:

- Fiber count 48 & 96
- Cable terminated with low loss 12 fiber MPO female / male connectors
- In OM3 and OS2 design with LSZH sheath
- Available in lengths from 10 up to 500 m
- Allow smaller bending radius of cable, and the cable can be coiled into smaller cycles
- Support the delay instruction of 10G transmission;
- Each Trunk cable-end is installed with protection & pulling sleeves for crush-resistant

Standard Compliance:

- Low smoke (IEC 61034)
- Halogen free (IEC 60754-1)
- Fire retardant (IEC 60332-3)
- Corrosion resistant (IEC 60754-2)

P/N	Description
2104-22003	MPO female to MPO female patch cord; 48 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22004	MPO female to MPO female patch cord; 96 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22007	MPO female to MPO male patch cord; 48 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22008	MPO female to MPO male patch cord; 96 fiber; OM3 10 Gb/s; 50 meters; Aqua
2104-22011	MPO female to MPO female patch cord; 48 fiber; OS2; 50 meters; Yellow
2104-22012	MPO female to MPO female patch cord; 96 fiber; OS2; 50 meters; Yellow
2104-22015	MPO female to MPO male patch cord; 48 fiber; OS2; 50 meters; Yellow
2104-22016	MPO female to MPO male patch cord; 96 fiber; OS2; 50 meters; Yellow

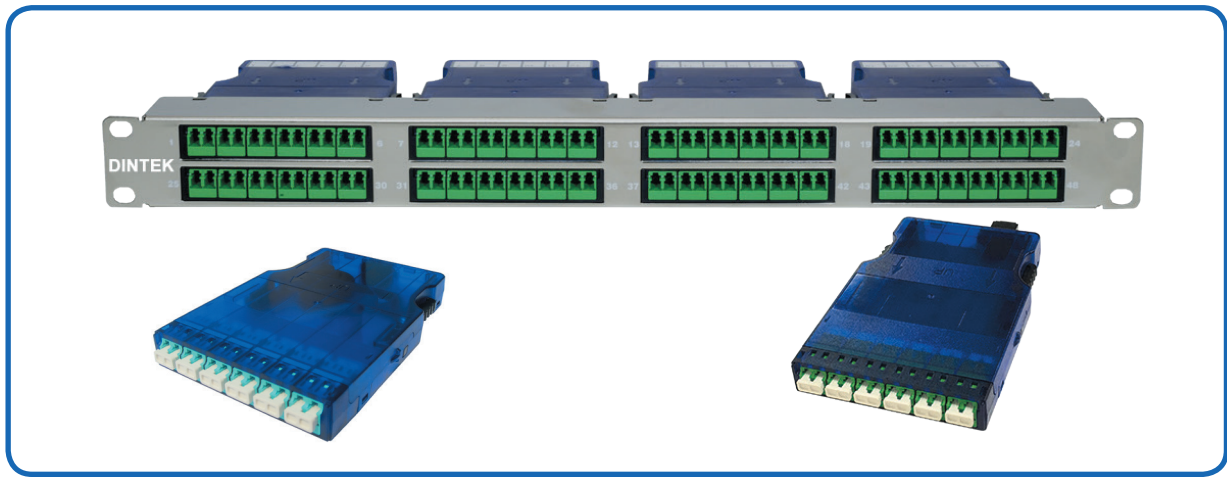
- Other fiber counts & lengths are available upon request

MPO to LC Preterminated Cassette

Plug-and-play preterminated and pretested cassette with either 1 or 2 MPO trunk connections (1 x 12 or 2 x 12 fibers) at rear and 6 or 12 duplex LC connectors in the front. They are 100% factory testing and no need for field terminations or splices.

Feature:

- Easy installation, moves, adds and changes
- Fits in 19" fiber optic enclosures and panels.
- Emerging 40 and 100Gbps Protocols compatible
- The plastic shell with high strength protect the inner fibers effectively
- Dimension: Height x Width x Depth(mm) : 28 x 138 x 160
- 100% in-house tested



P/N	Description
2111-01036	MPO Fiber Optic Cassette, 1 x MPO to 6 x LC Duplex (12 fiber); OM3 10 Gb/s
2111-01011	MPO Fiber Optic Cassette, 1 x MPO to 6 x LC Duplex (12 fiber); OS2

- Other connector types in the front and other fiber types like OM1 and OM2 are available on request

MPO to SC Preterminated Cassette

Plug-and-play preterminated and pretested cassette with 1 MPO trunk connection (1 x 12 fibers) at rear and 12 simplex SC connectors in the front. They are 100% factory testing and no need for field terminations or splices.

Feature:

- Easy installation, moves, adds and changes
- Fits in 19" fiber optic enclosures and panels.
- Emerging 40 and 100Gbps Protocols compatible
- The plastic shell with high strength protect the inner fibers effectively
- Dimension: Height x Width x Depth(mm) : 28 x 138 x 160
- 100% in-house tested



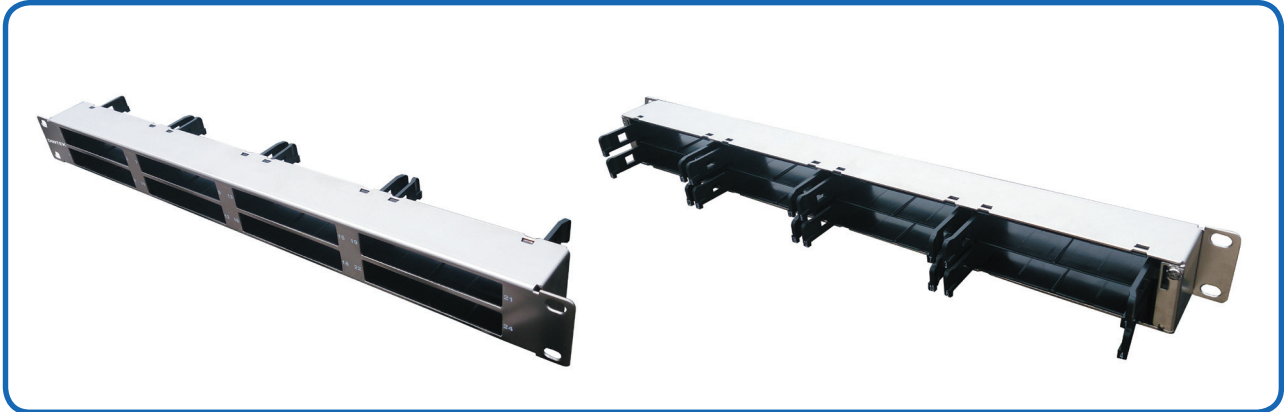
P/N	Description
2111-02031	MPO Fiber Optic Cassette, 1 x MPO to 12 x SC Simplex (12 fiber); OM3 10 Gb/s
2111-02011	MPO Fiber Optic Cassette, 1 x MPO to 12 x SC Simplex (12 fiber); OS2

- Other connector types in the front and other fiber types like OM1 and OM2 are available on request

19" 1U Cassette Panel

Feature:

- Fits in 4 or 8 MPO Fiber Optic Cassettes
- Easy installation, moves, adds and changes



P/N	Description	Std Pkg Qty
2201-04001	19" 1U Panel for 4 MPO Fiber Optic Cassettes (MPO Fiber Optic Cassette ordered separately)	1
2201-08001	19" 1U Panel for 8 MPO Fiber Optic Cassettes (MPO Fiber Optic Cassette ordered separately)	1

MPO Patch Cords

- Construction suited to inter-cabinet patching
- Cable performance: OM3 or OS2; LSZH
- Insertion loss per connection: 0.30dB typical; 0.60dB maximum for multi-mode
0.35dB typical; 0.75dB maximum for single-mode
- Terminated with male and/or female MPO connectors
- Available in different lengths

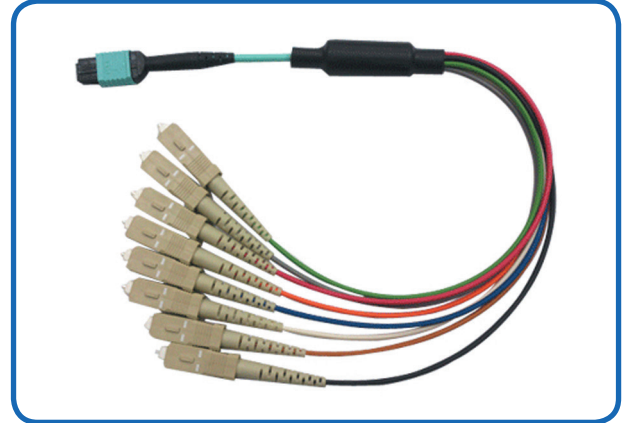
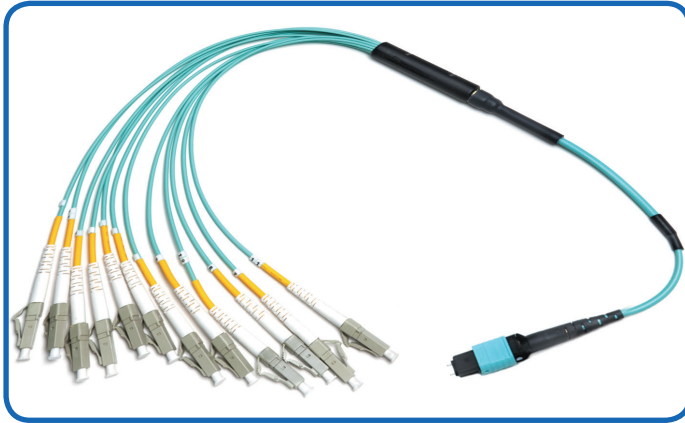


P/N	Description
2104-22017	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 2m; Aqua
2104-22018	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 3m; Aqua
2104-22019	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 5m; Aqua
2104-22020	MPO female to MPO female patch cord; 12 fiber; OM3 10 Gb/s; 10m; Aqua
2104-22021	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 2m; Aqua
2104-22022	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 3m; Aqua
2104-22023	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 5m; Aqua
2104-22024	MPO female to MPO male patch cord; 12 fiber; OM3 10 Gb/s; 10m; Aqua
2104-22025	MPO female to MPO female patch cord; 12 fiber; OS2; 2m; Yellow
2104-22026	MPO female to MPO female patch cord; 12 fiber; OS2; 3m; Yellow
2104-22027	MPO female to MPO female patch cord; 12 fiber; OS2; 5m; Yellow
2104-22028	MPO female to MPO female patch cord; 12 fiber; OS2; 10m; Yellow
2104-22029	MPO female to MPO male patch cord; 12 fiber; OS2; 2m; Yellow
2104-22030	MPO female to MPO male patch cord; 12 fiber; OS2; 3m; Yellow
2104-22031	MPO female to MPO male patch cord; 12 fiber; OS2; 5m; Yellow
2104-22032	MPO female to MPO male patch cord; 12 fiber; OS2; 10m; Yellow

- Other lengths are available upon request

MPO Fan-Out Cable Assemblies

This pre-terminated cable used to make the transition from an MPO connector to 12 individual LC or SC connectors. Both the MPO side and fanout connector side use a 3.0mm cable. Connect with trunk cable through with each port of network equipment.



Feature:

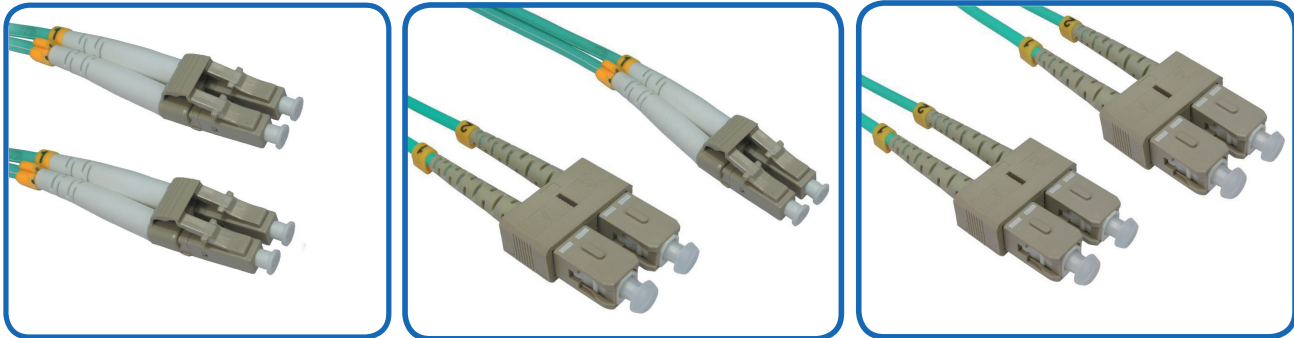
- Fiber count 12~ 144
- Terminated with female or male MPO connectors
- Connect 12 fiber MPO connector to LC or SC
- Insertion loss per MPO connection: 0.30dB typical; 0.60dB maximum for multi-mode
0.35dB typical; 0.75dB maximum for single-mode
- Insertion loss per LC or SC connection: 0.10dB typical; 0.30dB maximum
- In OM3 and OS2 design with LSZH sheath
- Other connector types and other fiber types are available on request

P/N	Description
2104-20008	1 x MPO female to 12 x LC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-20009	1 x MPO female to 12 x LC Simplex; OS2; 10 meters; Yellow
2104-20010	1 x MPO male to 12 x LC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-20011	1 x MPO male to 12 x LC Simplex; OS2; 10 meters; Yellow
2104-21002	1 x MPO female to 12 x SC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-21003	1 x MPO female to 12 x SC Simplex; OS2; 10 meters; Yellow
2104-21004	1 x MPO male to 12 x SC Simplex; OM3 10 Gb/s; 10 meters; Aqua
2104-21005	1 x MPO male to 12 x SC Simplex; OS2; 10 meters; Yellow

→ Other fiber counts & lengths are available upon request

OM3/OM4 Patch Cords

- All assemblies are machine polished providing highest quality.
- Multimode 50/125um 10G OM3 and 10G+ OM4 fiber optic cables.
- Insertion loss per connection: 0.10dB typical; 0.30dB maximum.
- Patch cords are tested to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters (OM3)/550 meters (OM4) with an 850nm source per IEEE 802.3ae 10 GbE standard.



P/N	Description	Std Pkg Qty
2104-07401	LC/LC Duplex Patch cord; 10G+ OM4; 1m; Aqua	10
2104-07403	LC/LC Duplex Patch cord; 10G+ OM4; 3m; Aqua	10
2104-07405	LC/LC Duplex Patch cord; 10G+ OM4; 5m; Aqua	10
2104-07039	LC/LC Duplex Patch cord; 10G OM3; 1m; Aqua	10
2104-07071	LC/LC Duplex Patch cord; 10G OM3; 3m; Aqua	10
2104-07079	LC/LC Duplex Patch cord; 10G OM3; 5m; Aqua	10
2104-15401	LC/SC Duplex Patch cord; 10G+ OM4; 1m; Aqua	10
2104-15403	LC/SC Duplex Patch cord; 10G+ OM4; 3m; Aqua	10
2104-15405	LC/SC Duplex Patch cord; 10G+ OM4; 5m; Aqua	10
2104-15040	LC/SC Duplex Patch cord; 10G OM3; 1m; Aqua	10
2104-15039	LC/SC Duplex Patch cord; 10G OM3; 3m; Aqua	10
2104-15058	LC/SC Duplex Patch cord; 10G OM3; 5m; Aqua	10
2104-03401	SC/SC Duplex Patch cord; 10G+ OM4; 1m; Aqua	10
2104-03403	SC/SC Duplex Patch cord; 10G+ OM4; 3m; Aqua	10
2104-03405	SC/SC Duplex Patch cord; 10G+ OM4; 5m; Aqua	10
2104-03064	SC/SC Duplex Patch cord; 10G OM3; 1m; Aqua	10
2104-03052	SC/SC Duplex Patch cord; 10G OM3; 3m; Aqua	10
2104-03062	SC/SC Duplex Patch cord; 10G OM3; 5m; Aqua	10

→ Other lengths are available upon request

OM1/OM2 Patch Cords

- ST, SC and LC variants
- Multimode 50/125um OM2 and 62.5/125um OM1 fiber optic cables
- Pass all TIA/EIA-568-B.3 performance requirements
- Insertion loss per connection: 0.10dB typical; 0.30dB maximum
- Factory terminated and 100% tested for insertion loss

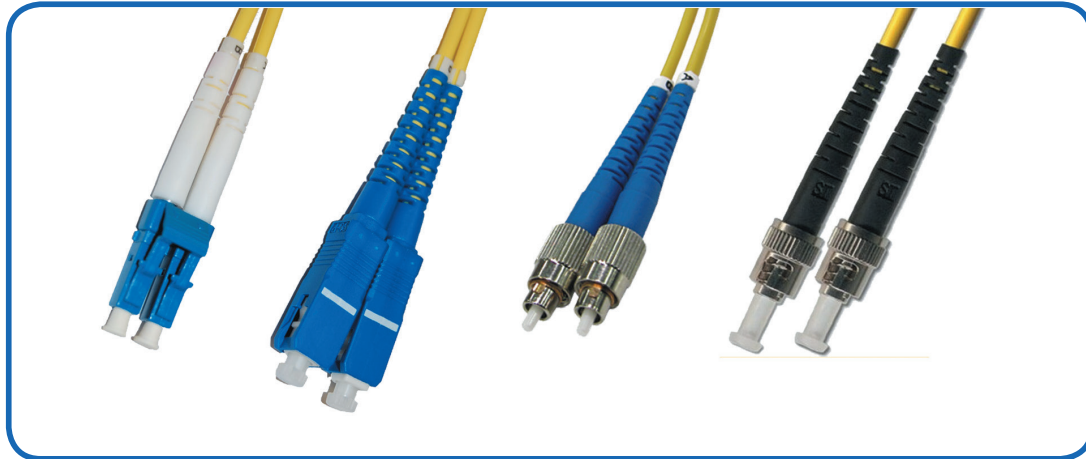


P/N	Description	Std Pkg Qty
2104-07002	LC/LC Duplex Patch cord; OM1; 3m; Orange	10
2104-15005	LC/SC Duplex Patch cord; OM1; 3m; Orange	10
2104-03008	SC/SC Duplex Patch cord; OM1; 3m; Orange	10
2104-02004	SC/ST Duplex Patch cord; OM1; 3m; Orange	10
2104-01008	ST/ST Duplex Patch cord; OM1; 3m; Orange	10
2104-07019	LC/LC Duplex Patch cord; OM2; 3m; Orange	10
2104-15001	LC/SC Duplex Patch cord; OM2; 3m; Orange	10
2104-02018	SC/ST Duplex Patch cord; OM2; 3m; Orange	10
2104-01017	ST/ST Duplex Patch cord; OM2; 3m; Orange	10
2104-06003	MT-RJ/MT-RJ Duplex Patch cord; OM2; 3m; Orange	10
2104-12004	MT-RJ/SC Duplex Patch cord; OM2; 3m; Orange	10
2104-03021	SC/SC Duplex Patch cord; OM2; 3m; Orange	10

→ Other lengths are available upon request

OS2 Patch Cords

- Singlemode 9/125um OS2 fiber optic cables.
- ST, SC, FC and LC variants
- 100% factory IL& End face inspected, compliance with Telcordia GR-326-CORE
- Insertion Loss (dB): ≤ 0.30 (single-mode)
- Return Loss (dB): ≥ 55 (single-mode)

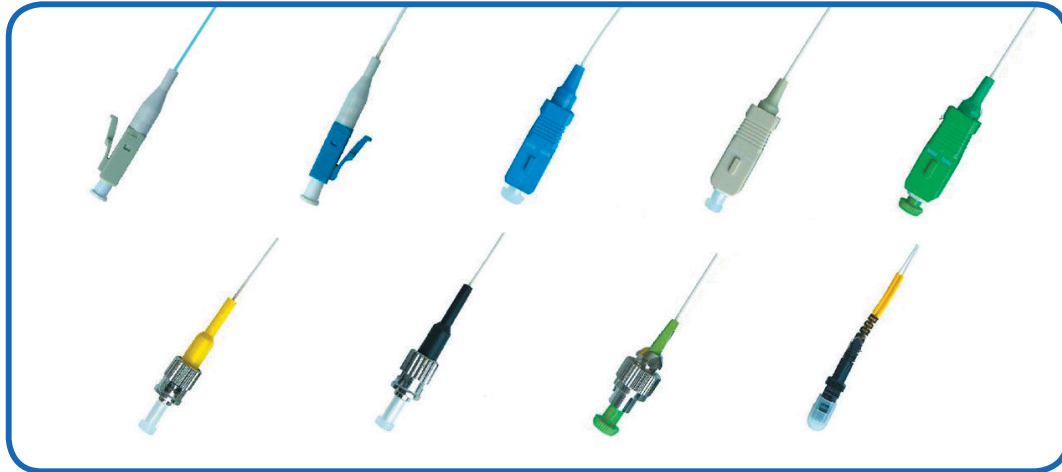


P/N	Description	Std Pkg Qty
2104-05004	FC/FC Duplex Patch cord; OS2; 3m; Yellow	10
2104-19002	FC/LC Duplex Patch cord; OS2; 3m; Yellow	10
2104-04005	FC/SC Duplex Patch cord; OS2; 3m; Yellow	10
2104-07003	LC/LC Duplex Patch cord; OS2; 3m; Yellow	10
2104-15009	LC/SC Duplex Patch cord; OS2; 3m; Yellow	10
2104-17006	LC/ST Duplex Patch cord; OS2; 3m; Yellow	10
2104-03002	SC/SC Duplex Patch cord; OS2; 3m; Yellow	10
2104-02009	SC/ST Duplex Patch cord; OS2; 3m; Yellow	10
2104-01002	ST/ST Duplex Patch cord; OS2; 3m; Yellow	10

→ Other lengths are available upon request

Pigtails

- 9/125um OS2, 50/125um OM2/3/4 & 62.5/125um OM1 fiber optic cables.
- 100% factory IL& End face inspected, compliance with Telcordia GR-326-CORE
- Insertion Loss (dB): ≤ 0.30 (single-mode), ≤ 0.30 (multi-mode)
- Return Loss (dB): ≥ 55 (single-mode), ≥ 35 (multi-mode)



P/N	Description	Std Pkg Qty	Std Ctn Qty
2105-01001	ST 900um Pigtail; OS2; 1m; White	10	300
2105-02002	SC 900um Pigtail; OS2; 1m; White	10	300
2105-03001	FC 900um Pigtail; OS2; 1m; White	10	300
2105-07002	LC 900um Pigtail; OS2; 1m; White	10	300
2105-01002	ST 900um Pigtail; OM2; 1m; White	10	300
2105-02005	SC 900um Pigtail; OM2; 1m; White	10	300
2105-03002	FC 900um Pigtail; OM2; 1m; White	10	300
2105-07004	LC 900um Pigtail; OM2; 1m; White	10	300
2105-01008	ST 900um Pigtail; OM3; 1m; Aqua	10	300
2105-02014	SC 900um Pigtail; OM3; 1m; Aqua	10	300
2105-07007	LC 900um Pigtail; OM3; 1m; Aqua	10	300
2105-02401	SC 900um Pigtail; OM4; 1m; Aqua	10	300
2105-07401	LC 900um Pigtail; OM4; 1m; Aqua	10	300

- Other lengths are available upon request

Fiber Optic Connectors

→ For connecting fiber links, choose from simplex or duplex, multi-mode or single-mode and so on.

Performance specifications:

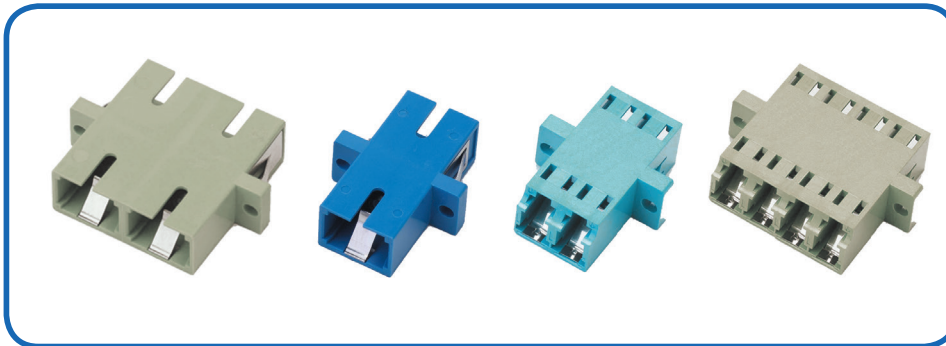
→ Insertion Loss (dB): ≤ 0.30 (single-mode), ≤ 0.30 (multi-mode)

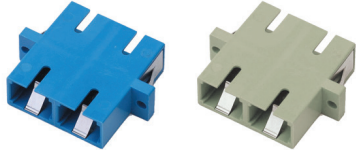
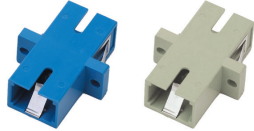
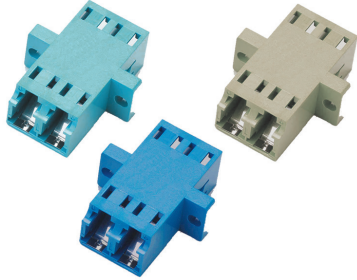
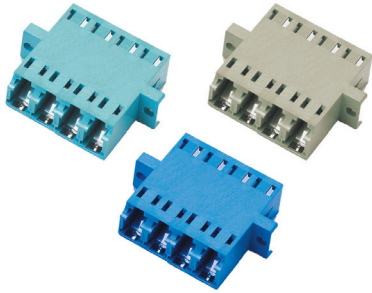
→ Return Loss (dB): ≥ 55 (single-mode), ≥ 35 (multi-mode)

P/N	Description	Std Pkg Qty	Std Ctn Qty	
2107-07005	LC duplex type coupling receptacle, Multi-Mode	200	1200	
2107-07004	LC duplex type coupling receptacle, Single-Mode	200	1200	
2107-03005	SC duplex type coupling receptacle, Multi-Mode	150	900	
2107-03003	SC duplex type coupling receptacle, Single-Mode	150	900	
2107-01003	ST coupling receptacle	250	1500	
2107-05004	FC coupling receptacle MM,round flange (D-type) type.	250	1500	
2106-01002	ST connector, multi-mode,for cable O.D:3.0mm	50	500	
2106-01003	ST connector, multi-mode,for cable O.D:0.9mm	50	500	
2106-01004	ST connector, single-mode,for cable O.D:3.0mm	50	500	
2106-02001	SC connector, single-mode, for cable O.D.:3.0mm	50	500	
2106-02002	SC connector, multi-mode, for cable O.D.:3.0mm	50	500	
2106-03001	FC connector, single-mode,for cable O.D:3.0mm	50	500	
2106-03002	FC connector, multi-mode,for cable O.D:3.0mm	50	500	
2106-03003	FC connector, multi-mode,for cable O.D:0.9mm	50	500	

Fiber Optic Coupler with Internal Shutter

- Internal shutter design for eye protection when connecting fiber
- Shield harmful light and provide a guard against debris such as dust and dirt




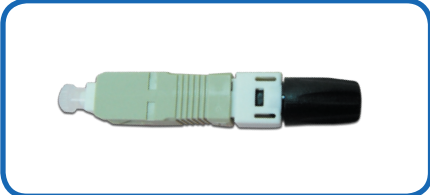
P/N	Description	Std Pkg Qty	Std Ctn Qty	
2107-03202	SC duplex type coupling receptacle with flange, MM	150	900	
2107-03102	SC duplex type coupling receptacle with flange, SM	150	900	
2107-03201	SC simplex type coupling receptacle with flange, MM	200	1200	
2107-03101	SC simplex type coupling receptacle with flange, SM	200	1200	
2107-07202	LC duplex type coupling receptacle with flange, OM2	200	1200	
2107-07302	LC duplex type coupling receptacle with flange, OM3	200	1200	
2107-07102	LC duplex type coupling receptacle with flange, SM	200	1200	
2107-07204	LC Quad type coupling receptacle with flange, OM2	150	900	
2107-07304	LC Quad type coupling receptacle with flange, OM3	150	900	
2107-07104	LC Quad type coupling receptacle with flange, SM	150	900	

ezi-Fiber Quick Assembly Connectors


DINTEK's quick-connect ezi-FIBER™ can be used either for outside plant or premise cabling. The ezi-FIBER™ quick assembly connector is an easy-to-install device. No tool or jig is required.

It is universal for 250um / 900um / 2.0mm / 3.0mm / Flat Cable. This product was designed for fast termination with a pre-polished connector. Using V groove technology, it requires no epoxy glue. With a transparent body, the connecting result can be seen by a Fiber Checker immediately.




P/N	Description	Std Pkg Qty	Std Ctn Qty	
2106-02005	Quick Assembly connector SC type, Single-Mode, 9/ 125um	100	1000	
2106-02013	Quick Assembly connector SC type, Multi-Mode, 50/ 125um	100	1000	

1.



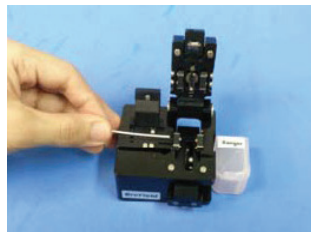
Take off dust cap and clean the connector. Then, insert it into Fiber Checker.

2.




Apply boot. Then, strip cable to correct lengths as stated on packaging.

3.



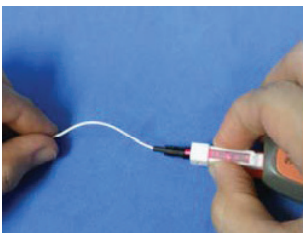
After stripping fiber, cleave the fiber to a 12.5mm

4.




Insert the tube & fiber to the body. With Fiber checker, and tune the fiber until light is weak.

5.




Form a curve on the fiber. Take off "Release Key". Fully depress both buttons on the body while fiber is curving.

6.



7.

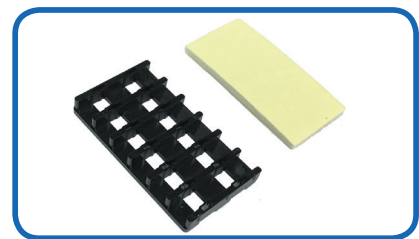
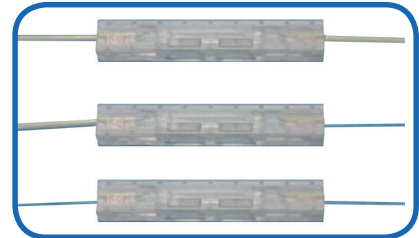


ezi-Fiber Mechanical Splice

Using V groove technology, it requires no epoxy. With transparent body, the splice result can be seen by Fiber Checker immediately. It has mean insertion loss 0.1dB and installation time of 30 seconds. This is an ideal solution, either for outside plant or inside a building.

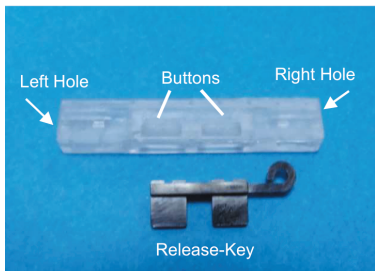


P/N	Description	Std Pkg Qty	Std Ctn Qty
6100-00012	Mechanical Splice Fiber Size both 250 and 900um	100	1000
2205-02004	Mechanical Splice Holder 6 slots with sticker	10	-

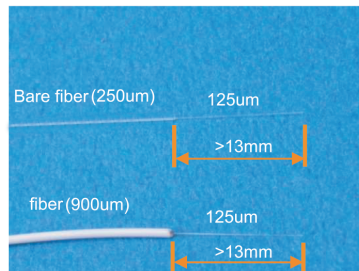


User's Manual

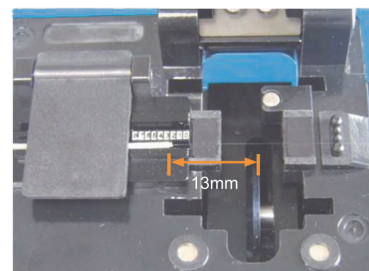
Mechanical Splice (for 250/250, 250/900, 900/900um)



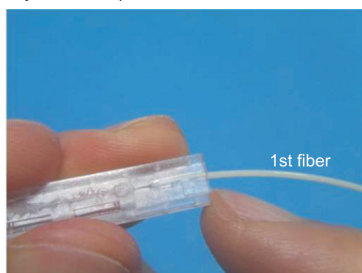
Parts information.
(Before use, make sure Buttons are fully released.)



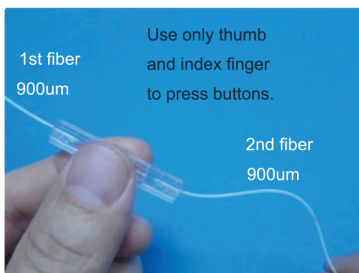
1. Prepare fibers as the dimension shown above. Strip and clean them.



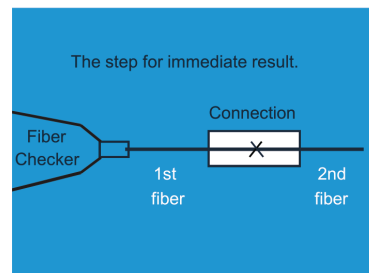
2. Cleave the fibers to 13mm.



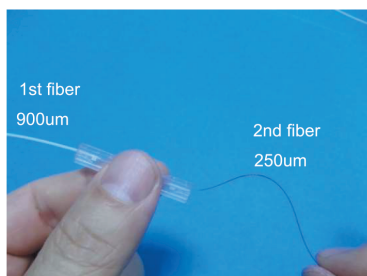
3. Insert 1st fiber to its Left Hole.



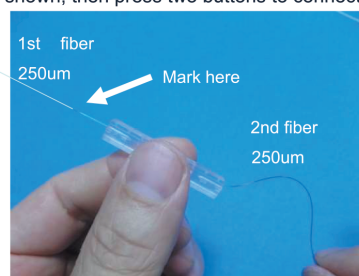
4. Insert 2nd fiber to its Right Hole until it meets 1st fiber. Form a small curve as shown, then press two buttons to connect



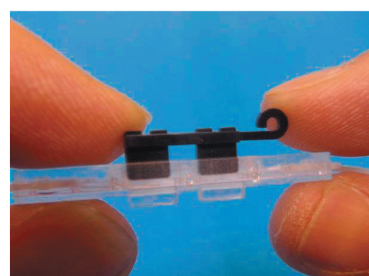
Connect with fiber checker to check its loss. (This step is strongly recommended for a good connection.)



Connect bare fiber and 900um fiber. It will be easy to insert and secure 900um fiber first, then bare fiber.



Connect bare fiber and bare fiber. It will be easier to see the movement of fiber by marking the 1st fiber as shown.

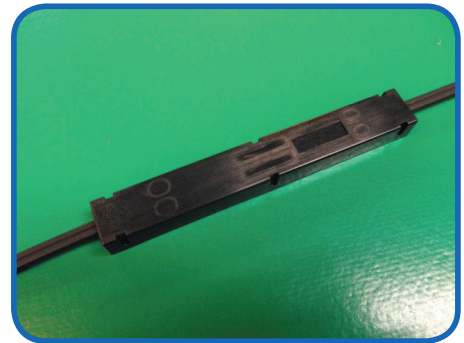


How to re-use?
It can be done by releasing its Buttons.

Mechanical Splice with Protect Cover

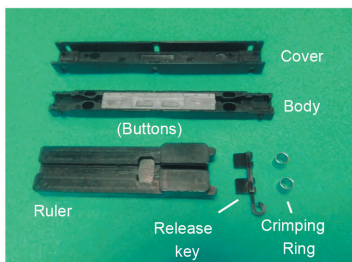
P/N	Description	Std Pkg Qty
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6100-00050	Mechanical Splice with Protect Cover For all types of cables	50
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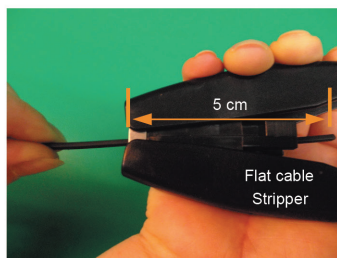


User's Manual

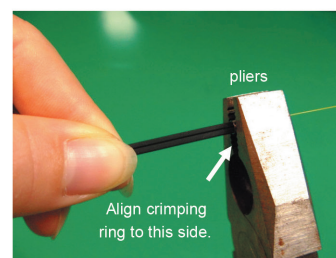
Mechanical Splice, cable use for all types of cables



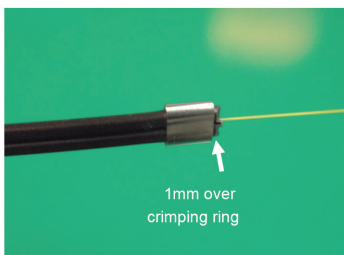
Parts information.
(Before use, make sure Buttons are fully released.)



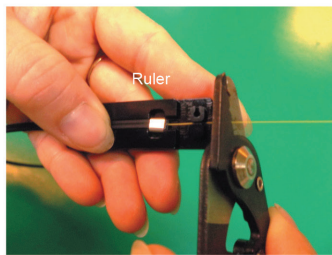
1. Strip flat cable to have bare fiber of 5cm long.



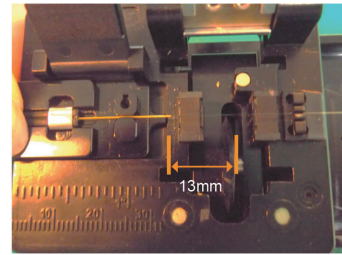
2. Wear crimping ring. Clamp it with cable by pliers.



3. Appearance of clamped crimping ring.



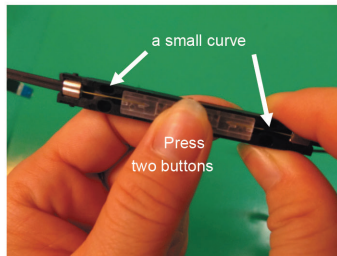
4. Load Ruler with flat cable. Strip bare fiber and clean it. Perform bending test of fiber.



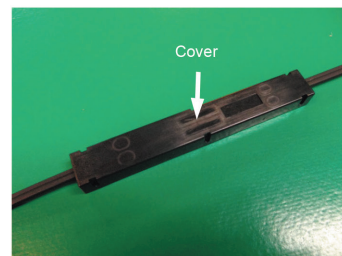
5. Load the ruler on Cleaver to cleave the bare fiber as 13mm.



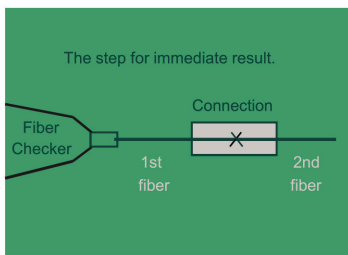
6. Insert 1st fiber to its left hole. Then, insert 2nd fiber to its right hole.



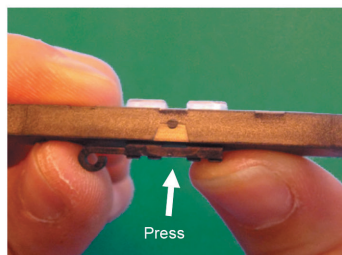
7. Both fibers should form a small curve as shown, then press two buttons to connect both fibers.



8. Lock the body by its cover to protect both connected fibers.



Connect with fiber checker to check its loss. (This step is strongly recommended for a good connection.)




How to re-use?
It can be done by releasing its Buttons.

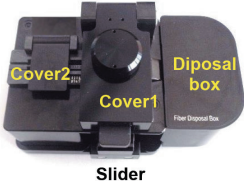
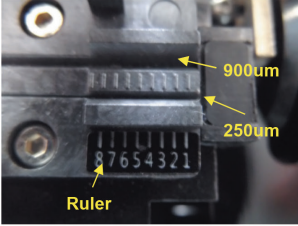
ezi-Fiber Install Tools

P/N	Description	Std Pkg Qty
6100-00011	Fiber Checker ↳ Check fiber faults by using 650 nm visual red laser ↳ Range: visibility up to 5 km ↳ Compatible to SC/ST/FC/LC connectors ↳ Operates with both SM and MM cables ↳ Dustproof cap keeps fiber connectors clean ↳ Powered by two AAA-size alkaline batteries ↳ LED indicator for Power On, Battery Low alerts	1
6100-00010	Fiber Stripper (0.25/0.9/3.0) ↳ 1st V groove for 3.0mm fiber ↳ 2nd V groove for 0.9mm fiber ↳ 3rd V groove for Bare fiber	1
		
6100-00030	Fiber Stripper (0.25/0.9/3.0) ↳ 1st V groove for 3.0mm fiber ↳ 2nd V groove for 0.9mm fiber ↳ 3rd V groove for Bare fiber Length: 162mm Weight: 118g	1
6100-00017	Stripper for Flat-Cable Jacket	1
		
6100-00009	Kevlar Scissors	1
6100-00020	Head Lamp	1

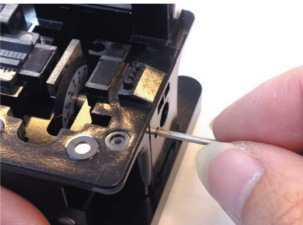
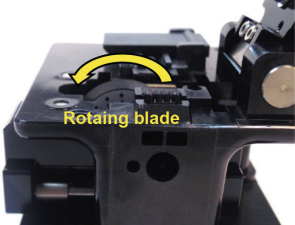
High Precision Fiber Cleaver

P/N	Description
6100-00013	<p>Application fibers: Silica Optical Fiber Cleaving angle: $\leq 0.5^\circ$ @ Single Fiber Blade life: 48000 Times Blade positions: 16 Rotating Positions Size: 101(L) * 59 (W) * 65 (H) mm Weight: 300g</p> 

1. Manual of High Precision Fiber Cleaver

- 
- Details of cleaver.
- Take off Disposal Box and open cover1 & cover2.
 - Load V-groove with fiber.
 - Use its ruler to set the desired length.
 
 - Close cover1 & cover2.
 - Push slider forwards or backwards to cut the loaded fiber.
 - Open cover1 & cover2 for the cleaved fiber.
 - Keep useless fiber into disposal box to avoid danger.

2. Change a new position of blade for longer use

- Use Allen Wrench to release its screw.
 
- Rotate blade from an old point to a new point. Secure blade by fasten its screw.
 

ezi-FIBER Quick Install Kit

The DINTEK ezi-FIBER™ Quick Install Kit contains the essential tools needed for quick field termination of fibers in conjunction with the ezi-Fiber™ Mechanical Splices and Quick Assembly Connectors.

P/N	Description	Std Pkg Qty
6100-00008	High Precision Fiber Cleaver, NB x 1 Fiber Stripper (0.25/0.9/3.0) x 1 Kevlar Scissors x 1 Stripper for Flat-Cable Jacket x 1 Alcohol Bottle x 1 Wiper x 1 Head Light x 1 Mechanical Splice Holder (6 positions) x 2 Fiber Mechanical Splice, Universal, G1 x 10 Fiber Checker/patchcord/2.50 sleeve x 1 SC Connector, 0.25/0.9/2.0/3.0mm fiber, 50/125MM x10 Ruler for flat cable x 1 Allen Wrench x 1 A3 Battery for Fiber Checker x 5 Release Key (for splice) x 2 L:39 x W:30.5 x H:14.7cm, Weight: 3.1 kg	1



Wall Mount Fiber Optic Enclosure

- Accepts up to 12/24 ports in either SC, ST or LC configuration
- Metal cabinet construction with optimized design for field connectorization
- Splice tray holder allows easy cable routing and is designed to make field splicing easier

P/N	Description	Std Ctn Qty	
2202-12024	Accepts up to 2 pcs of 6 ports duplex SC panel, with splice tray& holder Dimension L*W*D: 280*280*80mm Weight: 2.2kg	5	
2202-24004	Accepts up to 2 pcs of 12 ports duplex LC panel, with splice tray& holder Dimension L*W*D: 280*280*80mm Weight: 2.2kg	5	
2202-24001	Accepts up to 2 pcs of 12 ports ST panel, with splice tray& holder Dimension L*W*D: 280*280*80mm Weight: 2.2kg	5	
2202-12007	Accepts up to 1 pc of 6 ports duplex SC panel, with splice tray& holder Dimension L*W*D: 290*255*60mm Weight: 2.0kg	6	
2202-12006	Accepts up to 1 pc of 12 ports ST panel, with splice tray& holder Dimension L*W*D: 290*255*60mm Weight: 2.0kg	6	
2206-00001	Fusion splice protector sleeve	12/bag	

19" Fiber Optic Rack Mount Enclosure

- Both fixed and sliding type, can be mounted on 19" EIA racks
- Each enclosure features front and rear removable metal covers for quick and easy installation and maintenance.



P/N	Description	Std Ctn Qty	
2201-24060	Fixed type, 1U, accepts up to 2 pcs of 6 ports duplex SC panel, with splice tray& holder	4	
2201-24077	Fixed type, 1U, accepts up to 2 pcs of 12 ports duplex LC panel, with splice tray& holder	4	
2201-24078	Fixed type, 1U, accepts up to 2 pcs of 12 ports ST panel, with splice tray& holder	4	
2201-24059	Sliding type, 1U, accepts up to 2 pcs of 6 ports duplex SC panel, with splice tray& holder	4	
2201-24063	Sliding type, 1U, accepts up to 2 pcs of 12 ports duplex LC panel, with splice tray& holder	4	
2201-24064	Sliding type, 1U, accepts up to 2 pcs of 12 ports ST panel, with splice tray& holder	4	
2201-48012	Fixed type, 2U, accepts up to 4 pcs of 6 ports duplex SC panel, with splice tray& holder	2	
2201-48015	Fixed type, 2U, accepts up to 4 pcs of 12 ports duplex LC panel, with splice tray& holder	2	
2201-48016	Fixed type, 2U, accepts up to 4 pcs of 12 ports ST panel, with splice tray& holder	2	
2201-48017	Sliding type, 2U, accepts up to 4 pcs of 6 ports duplex SC panel, with splice tray& holder	2	
2201-48011	Sliding type, 2U, accepts up to 4 pcs of 12 ports duplex LC panel, with splice tray& holder	2	
2201-48018	Sliding type, 2U, accepts up to 4 pcs of 12 ports ST panel, with splice tray& holder	2	

Fiber Optic Distribution Box- 2, 4 cores

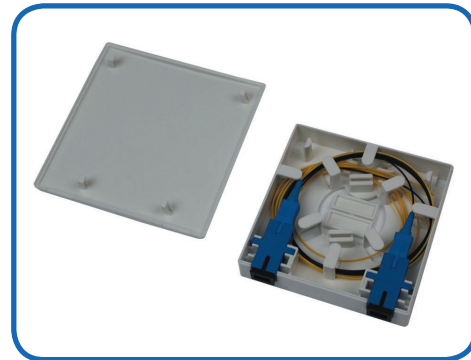
This mini style distribution box is widely applied in the FTTX network to connect drop cable and ONU devices through fiber port. It supports splicing, distribution, mechanical connection and wall mounted installation.

Feature:

- ABS material used ensures the body strong and light
- Easy installations: Mount on wall

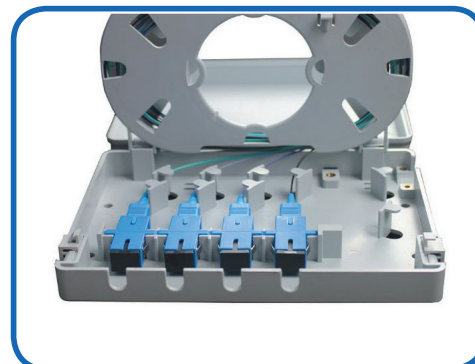
Specifications: 2 cores



- Dimensions (W*H*D): 86mm*86mm*24mm
- Adapter Capacity: 4 fibers with LC adapters or
2 fibers with SC adapters
- Number of Cable Entrance/Exit: Up to 4
- Drop Cable(flat): Indoor flat drop cable 2 x 3mm
- Drop Cable(round): $\Phi 5\text{mm} \sim \Phi 10\text{mm}$
- Curvature Radius: $\geq 15\text{mm}$
- Temperature: $-5^{\circ}\text{C} \sim 60^{\circ}\text{C}$



Specifications: 4 cores

- Dimensions (W*H*D): 152mm*112mm*30mm
- Adapter Capacity: 4 fibers with SC/ FC adapters
- Number of Cable Entrance/Exit: 1/4
- Max diameter of entry cable: 12.2mm
- Weight: 0.154 KG
- Temperature: $-5^{\circ}\text{C} \sim 60^{\circ}\text{C}$



P/N	Description	Std Pkg Qty	
1309-01001	mini style distribution box The capacity of this box can be 1 core, 2 cores and 4 cores. Adoptable adapter: SC, LC	100	
1309-01002	mini style distribution box The capacity of this box can be up to 4 cores. Accommodates 4 fibers with SC / FC adapters	50	

Outdoor Fiber Optic Distribution Box- 4, 8 cores

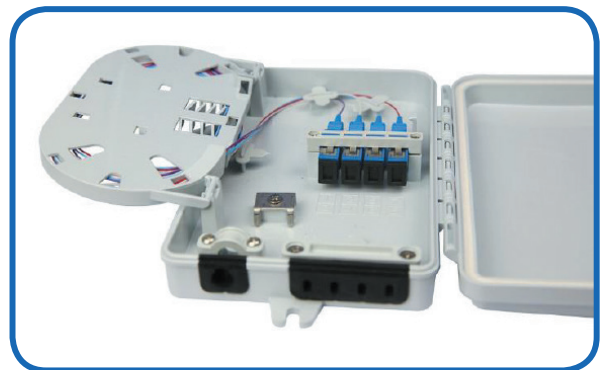
This distribution box is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Feature:

- PC+ABS material used ensures the body strong and light
- Water-proof, dust-proof, anti-aging
- Protection level up to IP55

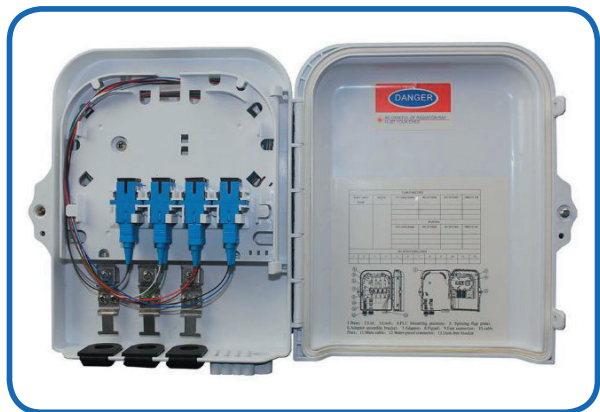
Specifications: 4 cores



- Dimensions (W*H*D): 167mm*102mm*31mm
- Adapter Capacity: SC 2; LC 4; PLC 4
- Number of Cable Entrance/Exit: 1/4
- Life of insertion and extraction: >1000 times
- Weight: 0.32 KG
- Max diameter of entry cable: 9mm
- Temperature: -40°C~60°C



Specifications: 8 cores

- Dimensions (W*H*D): 220mm*205mm*55mm
- Adapter Capacity: 8 PCs
- Number of Cable Entrance/Exit: up to 3 cables
- Life of insertion and extraction: >1000 times
- Weight: 1 KG
- Max diameter of entry cable: 12mm
- Temperature: -40°C~60°C



P/N	Description	Std Pkg Qty	
2203-04021	Outdoor Fiber Optic distribution box 4 cores Adapter Capacity: SC 2; LC 4; PLC 4	1	
2203-08021	Outdoor Fiber Optic distribution box 8 cores terminates up to 3 fiber optic cables Adapter Capacity: 8 PCs	1	

Outdoor Fiber Optic Distribution Box- 16, 24 cores

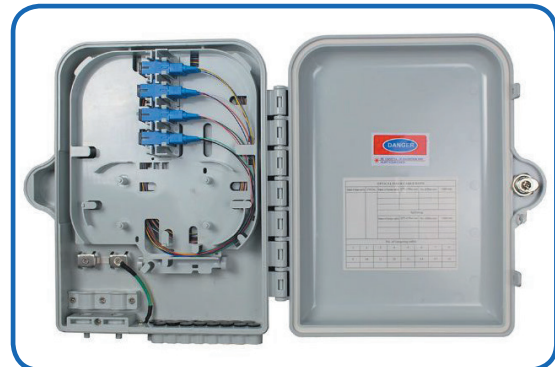
This fiber optics distribution box is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Feature:

- PC+ABS material used ensures the body strong and light
- Water-proof design for outdoor uses.
- Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution all in one
- Protection level up to IP55(16 cores), IP65(24 cores)

Specifications: 16 cores

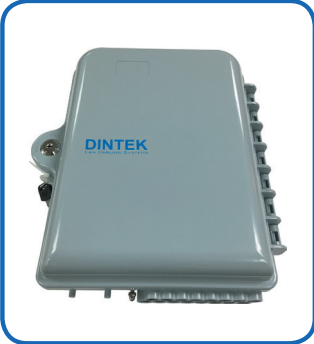

- Dimensions (W*H*D): 300mm*225mm*100mm
- Adapter Capacity: 16 PCs
- Number of Cable Entrance/Exit: up to 2 cables
- Life of insertion and extraction: >1000 times
- Weight: 1.5 KG
- Max diameter of entry cable: 12mm
- Temperature: -40°C~60°C



Specifications: 24 cores

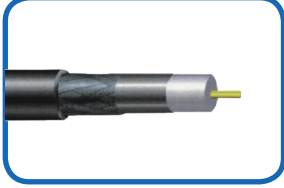
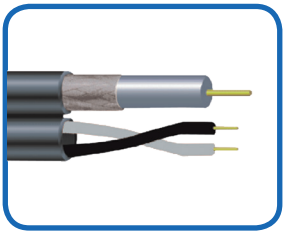
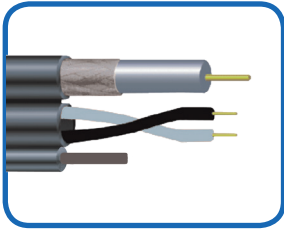
- Dimensions (W*H*D): 317mm*237mm*101mm
- Adapter Capacity: 24 PCs
- Number of Cable Entrance/Exit: up to 3 cables
- Life of insertion and extraction: >1000 times
- Weight: 1 KG
- Max diameter of entry cable: 13mm
- Temperature: -40°C~60°C



P/N	Description	Std Pkg Qty	
2203-16021	Outdoor Fiber Optic distribution box 16 cores terminates up to 2 fiber optic cables Adapter Capacity: 16 PCs	1	
2203-24021	Outdoor Fiber Optic distribution box 24 cores terminates up to 3 fiber optic cables Adapter Capacity: 24 PCs	1	

Coaxial Cable

- Suitable for Digital HDTV Applications, CATV and Digital Satellite Installations
- Excellent cable for use with security cameras requiring external power

P/N	Type	Conductor	Shield	Jacket	
3101-01001	RG-6/U Quad	1/1.0mm	Tape: Al Foil Braiding: 0.12mm AL wire 60%	Material: PVC Thickness: 0.8mm O.D.: 7.4±0.2mm Color: Black	
3101-01014	RG-6/U	1/1.0mm	Tape: Al Foil Braiding: 0.12mm AL wire 90%	Material: PVC Thickness: 0.9mm O.D.: 7.0±0.2mm Color: Black	
3105-01002	RG-59/U	1/0.65mm	Tape: Al Foil Braiding: 0.12mm AL wire 80%	Material: PVC Thickness: 0.8mm O.D.: 6.0±0.2mm Color: Black	
3105-01008	RG-59/U + 18AWG*2C	1/0.65mm + 30/0.18mm	Tape: Al Foil Braiding: 0.12mm AL wire 80%	Material: PVC Thickness: 0.9mm O.D.: 6.2±0.2mm Color: Black	
3105-01009	RG-59/U + 18AWG*2C + 1.6Y	1/0.65mm + 30/0.18mm + 1/1.6mm	Tape: Al Foil Braiding: 0.12mm AL wire 80%	Material: PVC Thickness: 0.9mm O.D.: 6.2±0.2mm Color: Black	

Coaxial Compression Connectors

Coax Compression Connectors are manufactured to meet the demands of the satellite and cable TV industry. All series of connectors are permanently connected when terminated with DINTEK Compression Tool.

Features:

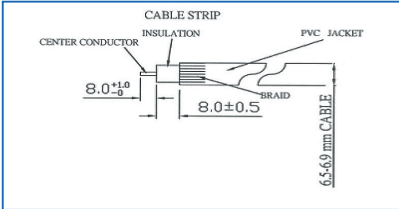
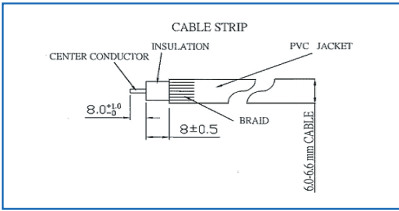
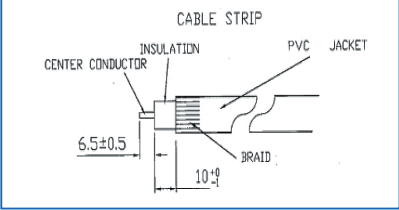
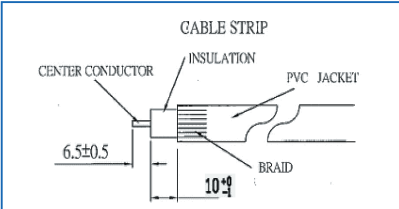
- Connectors to fit RG-59& RG-6
- Weatherproof for indoor/outdoor

Applications:

- CATV,
- CCTV,
- Security systems.

Specifications:

- Bandwidth: 0 MHz - 3 GHz
- Impedance: 75 Ohms (nominal)
- Return Loss: Minimum -30 dB @ 3 GHz
- Tightening Torque: 30 in-lbs.
- Operating Temperature Range: -40°F to +140°F
- Cable Range: 60% through Quad Shield, PE and PVC jackets
- Cable Retention: 40 lbs. minimum

P/N	Description	Std Pkg Qty
3203-01011	BNC Compression Connector for RG6U. 	100
3203-01010	BNC Compression Connector for RG59U. 	100
3211-07002	F Compression Connector for RG6U. 	100
3211-07001	F Compression Connector for RG59U. 	100

Coaxial Compression Tools

P/N	Description	Std Pkg Qty	
6101-03006	<p>Coax Cable Stripper</p> <ul style="list-style-type: none"> → Strip cartridges for RG59/6 cables, → Rotates easily around finger → No blade depth adjustments 	1	 
6102-02005	<p>Compression Tool</p> <ul style="list-style-type: none"> → Crimping F Compression Connectors For RG59, RG6 → Length: 5.6" (143±1mm) → Weight: 280g 	1	  
6102-02006	<p>Compression Tool</p> <ul style="list-style-type: none"> → Crimping F, BNC, & RCA Compression Connectors For RG59, RG6 → Length: 5.98" (152±3mm) → Weight: 295g 	1	  
6104-03002	<p>Coax Cable Cutter</p> <ul style="list-style-type: none"> → Cutting cable RG58/59/6/7/11 cables, Steel reinforced center conductor can be trimmed. → Length: 6.3" (162mm) → Weight: 190g 	1	



Wall Mount Cabinets

Features:

- Frame structure with the carrying capacity of 60KG
- Easy installation and maintenance
- Cable entry from top and bottom
- Wall mount and floor standing design
- Leveling stands and castors can be provided for floor standing
- 120mm fan can be installed for special requirements
- Fission structure (for double section)

Standards:

- ANSI/EIA RS-310-D
- DIN41491, PART1
- DIN41494, PART7
- IEC297-2
- GB/T3047.2-92

Specifications:

- Material : SPCC cold rolled steel
- Thickness of steel:
Mounting profile: 2.0mm;
Frame: 1.0mm
- Surface Finish: Degreased, Washed with acid,
Phosphor treatment,Spraying

P/N	Description	Width x Depth	Height
WM-18S-1B	Single section	600x450mm	18U
WM-15S-1B	Single section	600x450mm	15U
WM-12S-1B	Single section	600x450mm	12U
WM-09S-1B	Single section	600x450mm	9U
WM-06S-1B	Single section	600x450mm	6U
WM-15D-1B	Double section	600x550mm	15U
WM-12D-1B	Double section	600x550mm	12U
WM-09D-1B	Double section	600x550mm	9U
WM-06D-1B	Double section	600x550mm	6U



Floor Stand Network Cabinets

Features:

- Exquisite design with precise dimensions and craftsmanship
- Tempered glass door with popular black color
- Leveling stands and castor supports
- Strong design to give a static carrying capacity of 500KG
- Several lockable wiring holes at top and bottom with adjustable bottom hole
- Optional installation of base enables the cabinet to stay in a fixed position while meeting requirements of under-base cable entry/ventilation and prevention
- Removable side, front and rear doors
- Full set of optional accessories

Specifications:

- Material : SPCC cold rolled steel
- Thickness of steel:
Mounting profile: 2.0mm;
Frame: 1.2mm
- Surface Finish: Degreased, Washed with acid, Phosphor treatment, Spraying

Standards:

- ANSI/EIA RS-310-D,
- DIN41491, PART1,
- IEC297, PART7,
- GB/T3047.2-42,
- Compatible with 19" International Standards, ETSI



Fan module



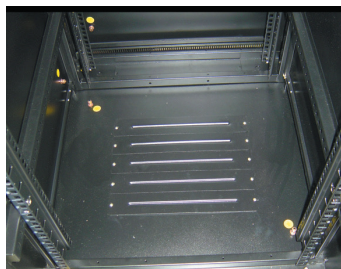
"U"marked mounting profile



Advanced spring locker



Removable side door

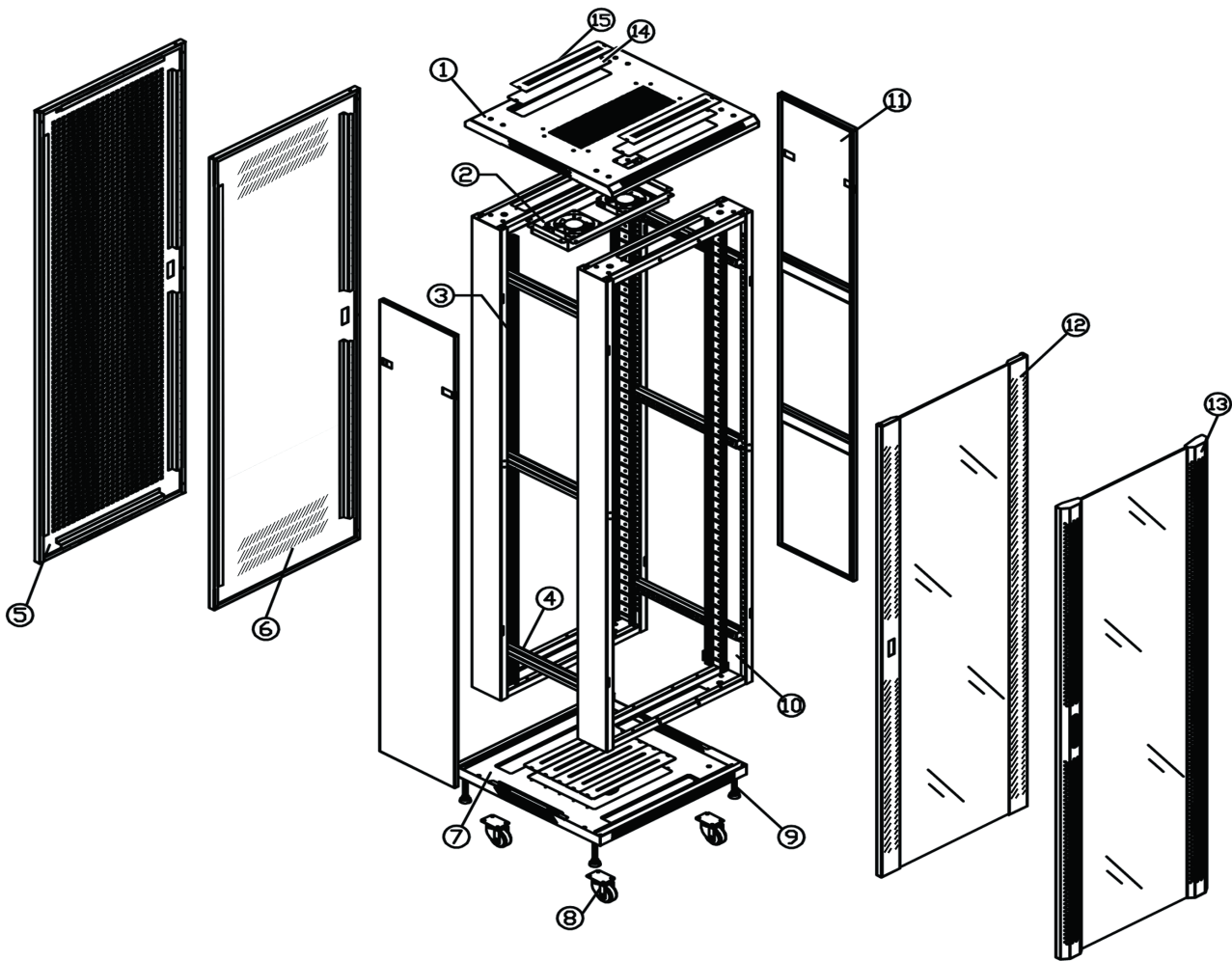


Lockable cable entry



Earthing kit

Structure of Cabinet



- 1. Top cover**
- 2. Fan unit (optional)**
- 3. Mounting profile**
- 4. Mounting angle**
- 5. Vented rear door (optional)**
- 6. Steel rear door**
- 7. Bottom panel**
- 8. 2" heavy duty castor**
- 9. Adjuster feet**
- 10. Frame**
- 11. Side panel**
- 12. Front door**
- 13. Vented front door (optional)**
- 14. Cable entry cover**
- 15. Cable entry cover with brush (optional)**

P/N	WxDxH	Height	P/N	WxDxH	Height
66-42-1B	600x600x2000mm	42U	66-32-1B	600x600x1600mm	32U
68-42-1B	600x800x2000mm	42U	68-32-1B	600x800x1600mm	32U
69-42-1B	600x900x2000mm	42U	66-27-1B	600x600x1400mm	27U
6A-42-1B	600x950x2000mm	42U	68-27-1B	600x800x1400mm	27U
66-37-1B	600x600x1800mm	37U	66-22-1B	600x600x1200mm	22U
68-37-1B	600x800x1800mm	37U	68-22-1B	600x800x1200mm	22U
69-37-1B	600x900x1800mm	37U	66-18-1B	600x600x1000mm	18U

Expanded Network Cabinet EX series

- Static Carrying Capacity : 800 KG
- Width: 800mm
- Depth :800,900,950 and 1000mm
- Mounting profits are equipped with cable management
- Top cable entry ensures easy installation and maintenance
- Optional expanded heavy duty shelf for carrying large sized server and other equipment
- Compatible with 19" International Standards, ETSI

Specifications:

- Material : SPCC cold rolled steel
- Thickness of steel:
Mounting profile: 2.0mm;
Frame: 1.2mm
- Surface Finish: Degreased, Washed with acid,
Phosphor treatment, Spraying

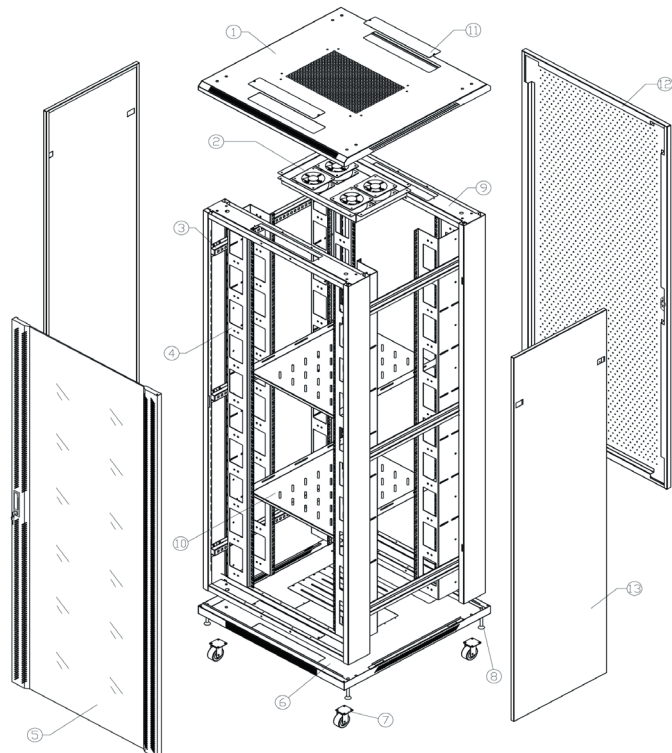
Standards:

- ANSI/EIA RS-310-D,
- DIN41491, PART1,
- IEC297, PART7,
- GB/T3047.2-42,



Structure of Cabinet:

1. Top cover
2. Fan unit (optional)
3. Mounting angle
4. Mounting profile
5. Front door
6. Bottom panel
7. 2.5" heavy duty castor
8. Adjuster feet
9. Main Frame
10. 19" fixed shelf (optional)
11. Cable entry
12. Steel rear door
13. Side panel

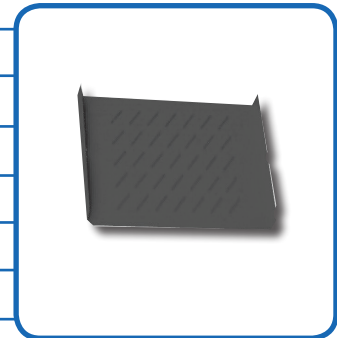


P/N	W x D x H	Height
88-42-1B	800x800x2000mm	42U
89-42-1B	800x900x2000mm	42U
8A-42-1B	800x950x2000mm	42U
8B-42-1B	800x1000x2000mm	42U

Accessories

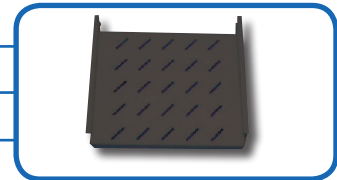
Fixed Shelf:

P/N	Description
F-SHELF60-1B	Fixed shelf for 600x600(WxD) cabinet
F-SHELF80-1B	Fixed shelf for 600x800(WxD) cabinet
F-SHELF90-1B	Fixed shelf for 600x900(WxD) cabinet
F-SHELF95-1B	Fixed shelf for 600x950(WxD) cabinet
HDF-SHELF60-1B	Heavy duty fixed shelf for 600x600(WxD) cabinet
HDF-SHELF80-1B	Heavy duty fixed shelf for 600x800(WxD) cabinet
HDF-SHELF90-1B	Heavy duty fixed shelf for 600x900(WxD) cabinet
HDF-SHELF95-1B	Heavy duty fixed shelf for 600x950(WxD) cabinet



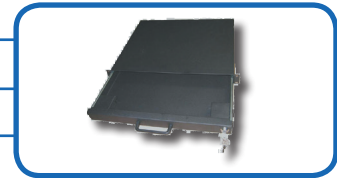
Sliding Shelf:

P/N	Description
S-SHELF60-1B	Sliding shelf for 600x600(WxD) cabinet
S-SHELF80-1B	Sliding shelf for 600x800(WxD) cabinet
S-SHELF90-1B	Sliding shelf for 600x900(WxD) cabinet
S-SHELF95-1B	Sliding shelf for 600x950(WxD) cabinet



Keyboard Drawer:

P/N	Description
K-DRAWER60-1B	Keyboard drawer for 600x600(WxD) cabinet
K-DRAWER80-1B	Keyboard drawer for 600x800(WxD) cabinet
K-DRAWER90-1B	Keyboard drawer for 600x900(WxD) cabinet
K-DRAWER95-1B	Keyboard drawer for 600x950(WxD) cabinet



Cooling Fan :

P/N	Description
FANTRAY66-1B	2 Fan Tray for 600x600(WxD) cabinet
FANTRAY68-1B	4 Fan Tray for 600x800(WxD) cabinet
FANTRAY69-1B	4 Fan Tray for 600x900(WxD) cabinet
FANTRAY6A-1B	4 Fan Tray for 600x950(WxD) cabinet



PDU:

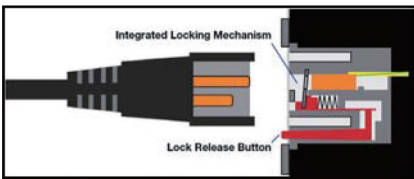
P/N	Description
2302-00015	6 outlet PDU German type 16A 220VAC 50/60Hz
2302-00016	6 outlet PDU French type 16A 220VAC 50/60Hz
2302-00017	6 outlet PDU German type with circuit breaker
2302-00004	6 outlet PDU UK type 13A 250VAC 50/60Hz



Basic PDU w/IEC LOCK, 16Amp 230V

Features:

- IEC C13 Outlet with locking feature for protecting computer equipment from accidental disconnection and vibration.



General:

- Output: 8 IEC320 C13 Outlet
- Input: 1 IEC320 C20 Inlet power cord, 3 meters
- Protection: 16 AMP Circuit Breaker

Communication:

- Link Status: Yellow LED
- Power Status: Green LED
- Power Monitor(Optional): RJ11, ready for connecting to Cabinet Monitor

Operation:

- Nominal Voltage: 230V
- Voltage: 200V~240V
- Frequency: 50/60HZ full range
- Max. Output Current: 16 Amp
- Temperature: 0 ~ 40 Celsius degree
- Humidity: 0% ~ 90%
- Size: 44 x 431.5 x 44 mm
- Weight: 2kg

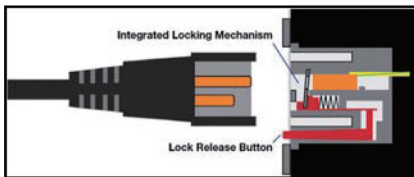
P/N	Description	Dimension	Std Pkg Qty
7802-01XXX	Basic PDU w/IEC LOCK 8 Port, 16Amp 230V	44 x 431.5 x 44 mm	1



Switched PDU w/IEC LOCK, 16Amp 230V

Features:

- IEC C13 Outlet with locking feature for protecting computer equipment from accidental disconnection and vibration.



General:

- Output: 8 IEC320 C13 Outlet
- Input: 1 IEC320 C20 Inlet; 1 IEC320 C19 Locking Connector to C20 power cord, 3 meters
- Protection: 16 AMP Circuit Breaker
- Meter: True RMS Current Meter
- Power Monitor: Total Power Monitoring by Meter, Web, SNMP, Free Bundle Software
- Protocols: Http, Https, SNMP, DHCP, UDP, SSL(verified by IE6 on WinXP)
- Outlet Control: Individual
- Power Delay: Power On/Off Sequence can be Defined
- Alarm Thresholds: User-Defined Alarm Thresholds for Warning and Overload
- Event Alert: Email, Trap, Audible Alarm

Operation:

- Nominal Voltage: 230V
- Voltage: 200V~240V
- Frequency: 50/60HZ full range
- Max. Output Current: 16 Amp
- Temperature: 0 ~ 40 Celsius degree
- Humidity: 0% ~ 90%
- Size: 90 x 432 x 44 mm
- Weight: 3kg

Communication:

- SSL Indication: Yellow LED
- DHCP Indication: Green LED
- Output Status: 8 Green LED
- Network: RJ45 for Ethernet
- Current Meter: 3 Digits for True RMS Meter
Range: 0A ~ 20 A
Resolution: 0.1A
Precision: +/-2%/+/-0.1AMP

P/N	Description	Dimension	Std Pkg Qty
7806-01XXX	Switched PDU w/IEC LOCK 8 Port, 16Amp 230V	90 x 432 x 44 mm	1



TECHBENCH - TERMINATION KIT

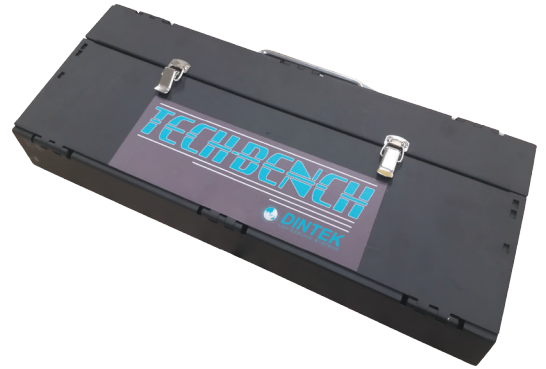
Currently the most popular methods for terminating copper and fiber optic products is either to mount panels inside a cabinet, and terminate from behind or to allow excess cable out the front of a cabinet and terminate cabling on the floor or at an expensive purpose built table.

The first method can have its drawbacks particularly if there is not much space available for termination inside the cabinet.

The second method can make dressing of cabling difficult particularly for wall mounted cabinets, as the large amount of excess cable has to be addressed after termination.

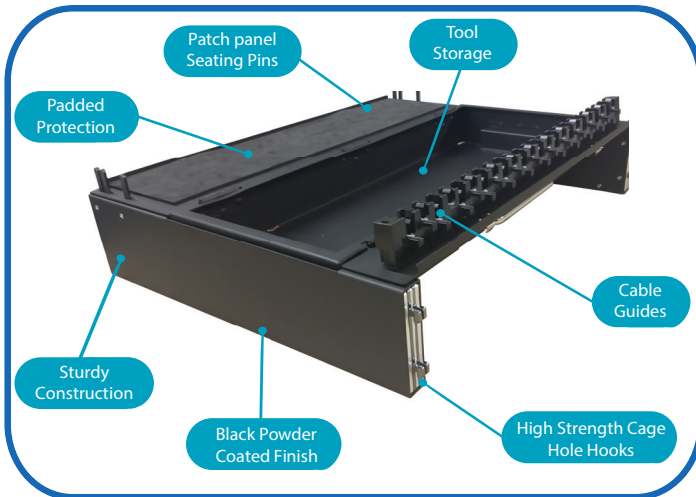
At DINTEK we thought, "why can't the product utilize the cabinet itself" and TECHBENCH is the result.

With TECHBENCH, the installer mounts the bench on the front of the cabinet, and by doing this there is much less excess cabling required, and all of the space allowance of being in front of the cabinet.



Features:

- Sturdy steel construction
- Compact design
- Fully self contained
- Cabinet mountable
- Standard design mounts direct to cage nut holes
- Adaptor plate allows use with threaded hole cabinets



Side arms are removed from Techbench and mounted onto cabinet.

Cutters, strippers, and ezi-TOOL™ can also be stored inside the Techbench

Cables can then be worked on from in front of the cabinet without long lengths


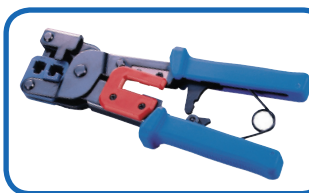
When finished with, the arms are stored inside the Techbench box.

Techbench can accommodate modular panels as well as unloaded panels.



The techbench unit is smaller and much easier to transport than other solutions.

P/N	Description	Std Pkg Qty
8204-03001	TECHBENCH - Termination kit Dimension(L*W*H): 482*187*57mm	1


RJ45 Crimping Tool

P/N	Description	Std Pkg Qty	
6102-01001	6P&8P modular plug crimps, strips & cuts tool Heavy duty & professional type Modular holders are made of ZN. Alloy light weight & durable.	1	
6102-01002	Crimping for RJ12(6P) and RJ45(8P) plug, suitable for solid and stranded wire.	1	


UTP Cable Stripper

P/N	Description	Std Pkg Qty	
6101-05002	Strips jacket of Cat.5e/6/6A cables Equipped with cable cutting function Adjustable knob is for stripping cable O.D. from 4 to 7mm.	1	
6101-01006	Turning 3 circles to extract the jacket of UTP cable, Dual function of stripper and 110 tool	1	

110 Punch Down Tool

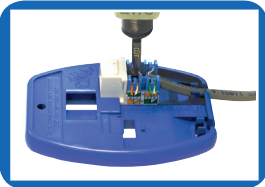
P/N	Description	Std Pkg Qty	
6103-01001	For seating wires into connecting blocks, and cuts off wire end after termination	1	

5 Pairs 110 Impact Tool

P/N	Description	Std Pkg Qty	
6103-04001	Seating wire onto terminal block and cut off wire end after termination, Used for 110 type I.D.C. blocks	1	

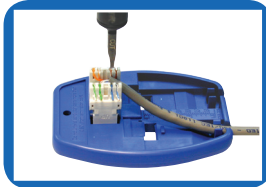
Keystone jack working base

P/N	Description	Std Pkg Qty
6100-00001	Keystone jack working base. 94x69.86mm. Blue	-



Horizontal type jack:

1. Place the jack into the appropriate slot.
2. Slide the jack forward so that the snap arm on the jack engages with the puck.




Vertical type jack:

1. Start the nose of the jack into the appropriate slot.
2. Rotate the jack so the jack sits straight and the latch engages.

LAN Maintenance Tool Kit

P/N	Description	Std Pkg Qty
6106-01003	<ul style="list-style-type: none"> → 8P/6P crimping tool x 1 → Cable cutter x 1 → Cable stripper x 1 → Punch down tool x 1 → Boot x 20 → 6P4C plug x 30 → 8P8C plug x 30 → UTP Twin tester x 1 	1



Professional Fiber Tool Kit

P/N	Description	Std Pkg Qty
6106-02005	<ul style="list-style-type: none"> → 200x Microscope x 1 → Syringe x 1 → Carbide scribe x 1 → Stripper x 1 → A/B fast epoxy glue x 1 → ST & SC polish disc x 1 → Glass working pad x 1 → Wipe paper x 3 → Kevlar cutter x 1 → Crimp tool x 1 → Cleanser x 1 → Rubber working pad x 1 → 6um/1um/0.05um diamond polish film x 1 	1



Twin Tester

The DINTEK twin tester provides instant identification of most common voice and data cabling problems including shorts, opens, reversals, and incorrect polarity.

The master and remote units separate for end-to-end testing of installed cabling or work separately as 2 patch cord test unit. Both pieces simply snap and lock together when not in use, making it easy to carry and store. Designed to fit neatly into a toolbox or pocket, the UTP tester has a convenient 'ring' feature for attaching to a belt or frame. The UTP tester should be used to check each channel from the station device to the system.

- Innovative 2-in-1 design features modular jacks for testing USOC and 568A/B cabling systems
- Accurately verifies the continuity and sequence of 1-,2-,3-, and 4-pair voice and data channels
- Continuously-sequencing LED display provides a diagnostic readout that immediately detects shorts, opens, reversals, and mis-wires at a glance
- Simply snap and lock master and remote units together when not in use
- Ergonomically designed hand-held unit is light weight, rugged, and impact-resistant
- 9 volt alkaline battery excluded

Technical specification:

- Materials: ABS
- Distance: 1,000m (3,280ft)
- Power requirements: 9 volt battery(standard or alkaline)
- Weight: 240g (9 oz.)
- Built-in interface: USOC,EIA 568B
- Contact specification: 30 u" gold over nickel



Caution
Do not use on live circuits

P/N	Description	Std Ctn Qty
6201-03004	Twin Tester	35



Function 1: Patch Cable Test

Function 2: End to End Test

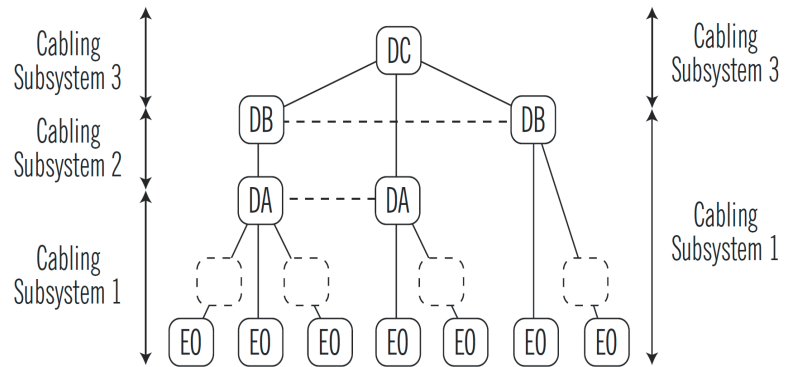
Tester Result:

Master	Remote	Tester Result
LED on GREEN	LED on GREEN	Good channel
LED on GREEN	LED on RED	Reversal
LED on RED	LED off	Short within pair
2LEDs on GREEN/RED	2LEDs on GREEN/RED	Short between pairs
LED off	LED off	Open

ANSI/TIA 568C Standard

Functional Elements:

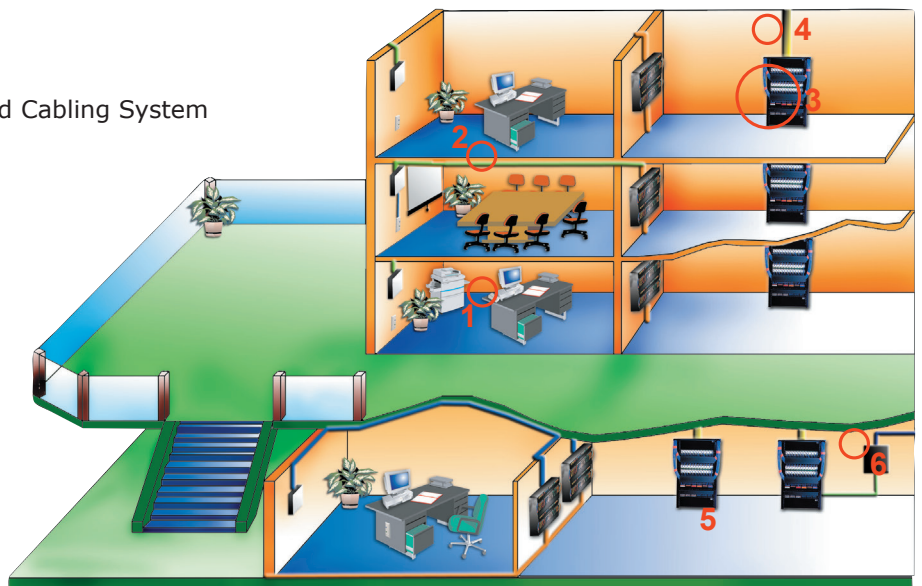
In a typical commercial building where ANSI/TIA-568-C.1 applies, Distributor C represents the main cross-connect (MC) or Equipment Room, Distributor B represents the intermediate cross-connect (IC) or Telecommunications Closet, Distributor A represents the horizontal cross-connect (HC) or Horizontal Cabling, and the equipment outlet (EO) represents the telecommunications outlet and connector.



Design Considerations:

The Six Subsystems of a Structured Cabling System

1. Work Area
2. Horizontal cabling
3. Telecommunications Closet
4. Backbone Cabling
5. Equipment Room
6. Building Entrance

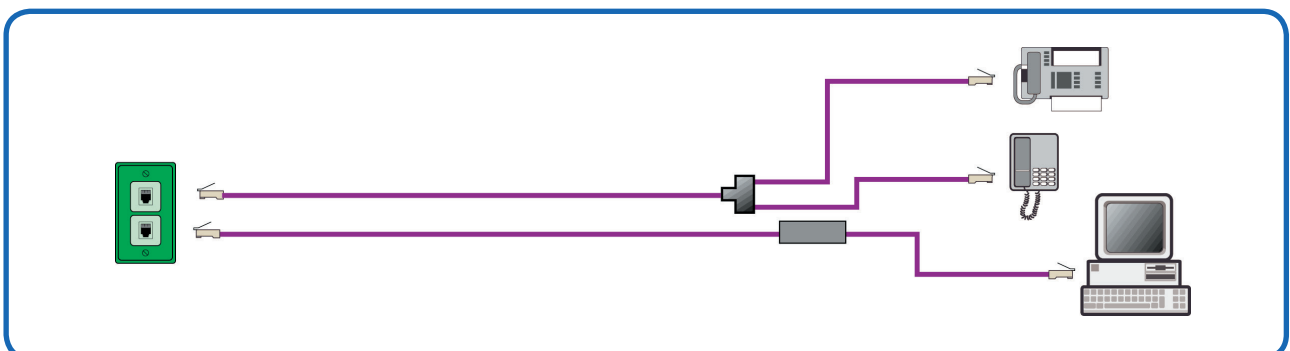


1. Work Area (Not considered as being part of Cabling Subsystem 1, 2 or 3)

The work area components extend from the Equipment Outlet (EO) to the station equipment. Work area wiring is designed to be relatively simple to interconnect so that shifting, adding and changing cables is easily managed.

Work Area Components:

- Station Equipment-computers, data terminals, telephones, etc.
- Patch Cables-modular cords, PC adapter cables, fiber jumpers, etc.
- Adapters-baluns, etc. must be external to telecommunications outlet.



2.Horizontal Cabling (Specified Topology:Star)

The horizontal cabling system extends from the work area telecommunications (information) outlet to the telecommunications closet and consists of the following:

- Horizontal cables
- The telecommunications outlet/connector
- Mechanical terminations in the telecommunications closet
- Patch cords or jumpers in the telecommunications closet

Recognized Media:

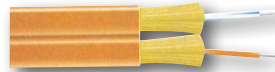
- 4-pair 100 ohm unshielded twisted pair (UTP)



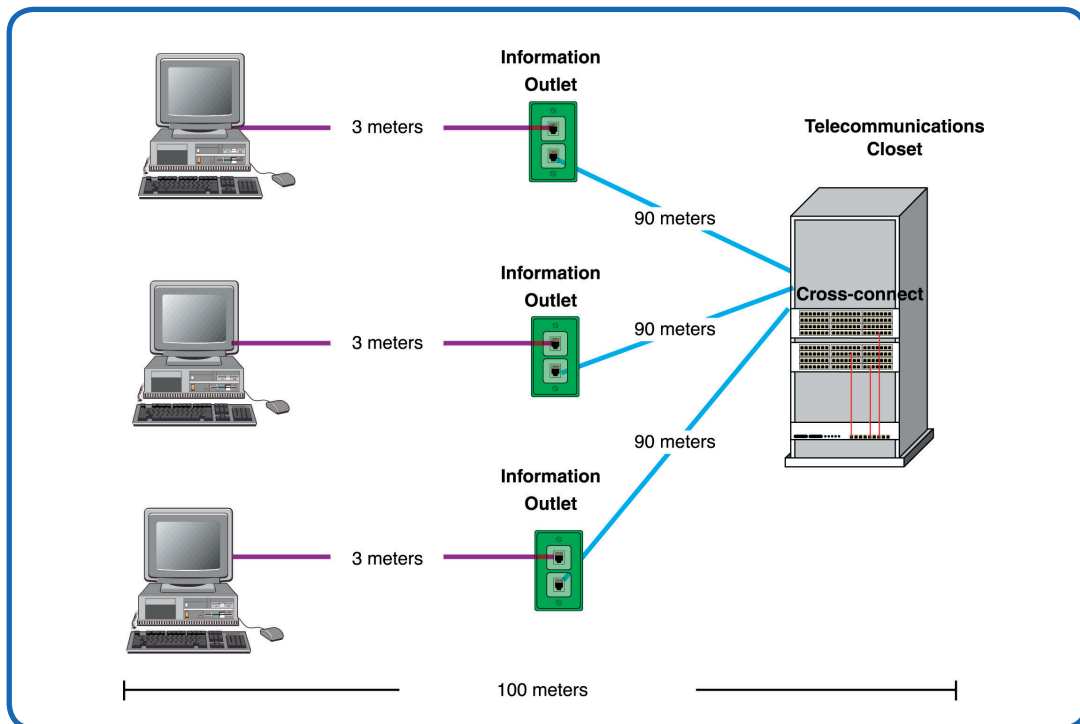
- 2-pair 150 ohm shielded twisted pair (STP-A)



- 2-fiber multimode optical fiber

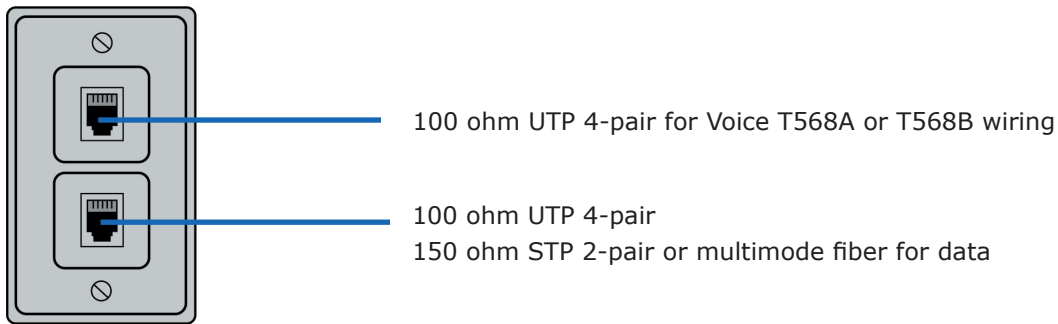


Maximum Distances for Horizontal Cabling:



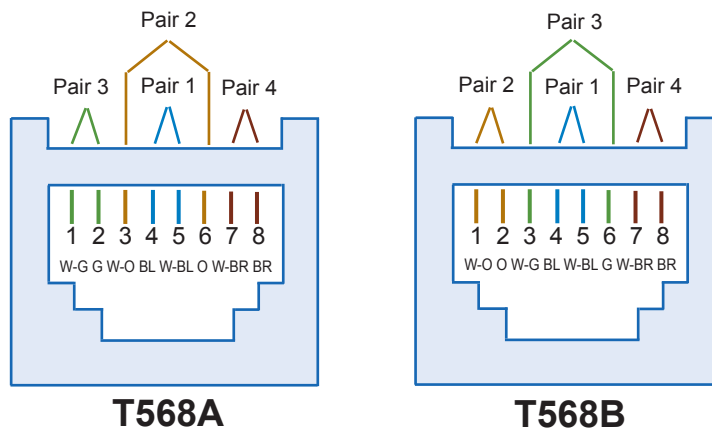
In addition to the 90 meters of horizontal cable, a total of 10 meters is allowed for work area and telecommunications closet patch and jumper cables.

Telecommunicaton Outlet / Connectors:



A minimum of two telecommunications outlet/connectors are required at each work area.

8-Position Modular Jack Pair Assignments for UTP:

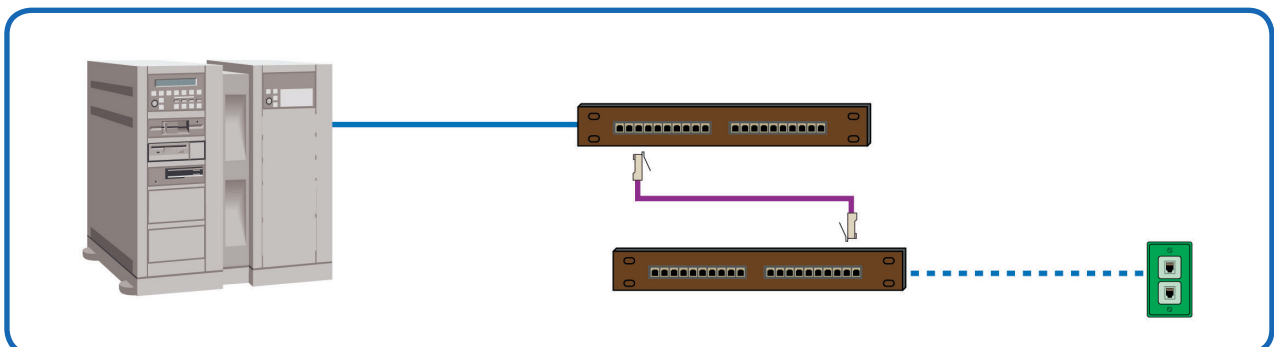


3. Telecommunication Closet

A telecommunication closet is the area within a building that houses the telecommunications cabling system equipment. This includes the mechanical terminations and/or cross-connect for the horizontal and backbone cabling system. Please refer to ANSI/TIA-569-B for the pathway and space design specifications of the telecommunications closet.

Cross-connections:

- Equipment cables that consolidate several ports on a single connector (ie: 25-pair hub) are terminated on dedicated connecting hardware (system specific)
- The dedicated hardware is then connected directly to horizontal or backbone terminations.



4.Backbone Cabling

The backbone cabling provides interconnection between telecommunication closets, equipment rooms and entrance facilities.

Includes:

- Backbone cables
- Mechanical terminations in the intermediate and main cross-connections
- Patch cords or jumpers used for backbone-to-bone cross-connection
- Mechanical terminations used to terminate backbone cabling in the horizontal cross-connect.
- Cabling between buildings

Recognized Media:

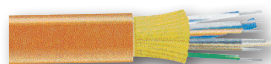
→ 100 ohm unshielded twisted pair (UTP)



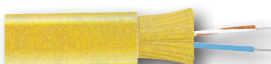
→ 150 ohm shielded twisted pair (STP-A)



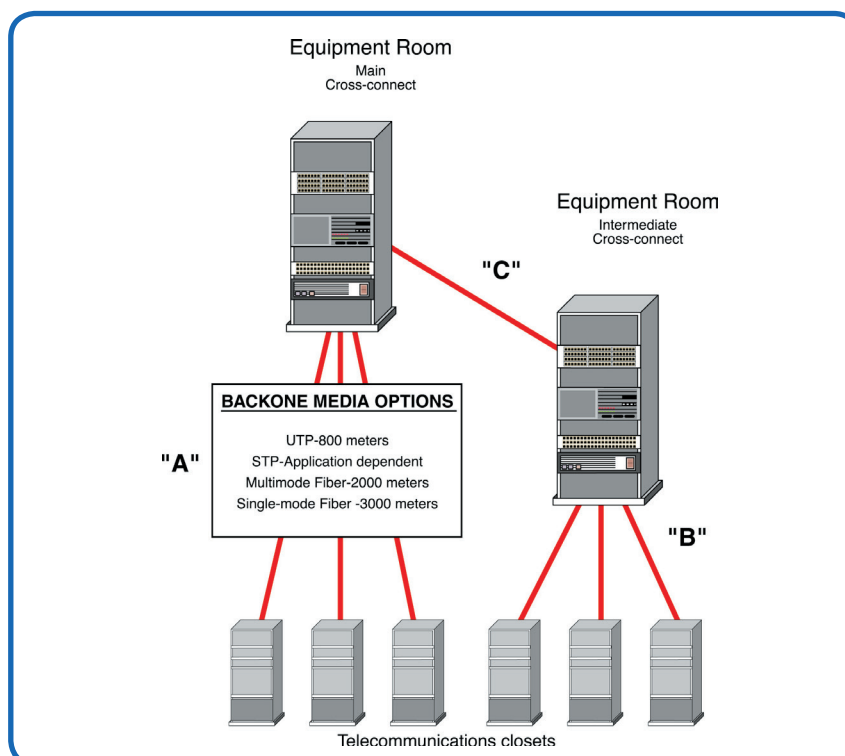
→ multi-mode optical fiber



→ single-mode optical fiber



Backbone Cabling in Star Topology:



Distances:

→ Application dependent:

Cable	"A"	"B"	"C"
62.5/125 um fiber	2,000m(6,560ft)	500m(1,640ft)	1,500m(4,820ft)
50.0/125 um fiber(OM2)	2,000m(6,560ft)	500m(1,640ft)	1,500m(4,820ft)
50.0/125 um fiber(OM3)	2,000m(6,560ft)	500m(1,640ft)	1,500m(4,820ft)
Single-mode fiber	3,000m(9,840ft)	500m(1,640ft)	2,500m(8,200ft)
UTP(voice)	800m(2,624ft)	500m(1,640ft)	300m(984ft)
UTP(data),STP-A	Data applications, limited to 90m(295ft) total		

- Patch cords and cross-connect jumpers at the main cross-connect not to exceed 20m (66ft)
- Patch cords and cross-connect jumpers in the intermediate cross-connect should be 20m(66ft) or less.
- Equipment cables should be 30m (98 ft) or less
- Grounding and bonding must conform to ANSI/TIA-607 as well as applicable authorities or codes.

5.Equipment Room

The design aspects of the equipment room are specified in the ANSI/TIA 569-B standard.

Equipment rooms usually house equipment of higher complexity than telecommunications closet may be provided by an equipment room.

6.Building Entrance

Building entrance facilities provide the point at which outside cabling interfaces with the internal building backbone cabling. The physical requirements of the network interface are defined in the ANSI/TIA-569-B standard. Grounding and bonding must conform to ANSI/TIA-607.

100 Ohm UTP Cabling Systems

The recognized categories of twisted- pair cabling are:

- Category 3: Transmission characteristics are specific up to 16 MHz
- Category 5e: Transmission characteristics are specific up to 100 MHz
- Category 6: Transmission characteristics are specific up to 250 MHz
- Category 6A: Transmission characteristics are specific up to 500 MHz

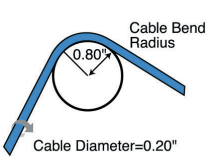
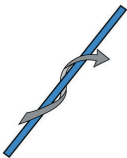
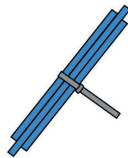
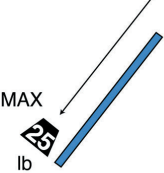




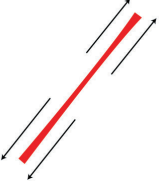

Cable specifications:

- Horizontal: 4 individually twisted pairs
- Backbone: 4-pair or multi-pair
- 24 AWG solid insulated conductors enclosed by jacket exceptions (if requirements are met):
 - Overall foil shield (screened) may be used where required
 - 22 AWG may be used
- Cable diameter must be less than 1/4" (6.35mm) for 4-pair

Patch cords:

- Stranded conductors specified for adequate flexibility.
- Cables must meet horizontal transmission performance requirements (+20% attenuation values allowed)
- Recommended insulated conductor diameter: 0.8mm (0.032 in) to 1mm (0.039 in) Max.=1.2mm (0.047 in)
- Terminated either T568A or T568B pair assignment on both ends

Installation Practices:

<p>Do's</p>					
<p>Don'ts</p>					

Channel Link Category 3, 5e, 6 Verification specifications:

Category 3 channel specifications(ANSI/TIA 568-C.2)

MHz	Attenuation (dB)	Next (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	RL (dB)	DELAY ns	DELAY SKEW ns
1.0	3.5	39.1	--	--	--	--	--	--
4.0	6.2	29.3	--	--	--	--	--	--
8.0	8.9	24.3	--	--	--	--	--	--
10.0	9.9	22.7	--	--	--	--	555	50
16.0	13.0	19.3	--	--	--	--	--	--

Category 5e channel specifications(ANSI/TIA 568-C.2)

MHz	Attenuation (dB)	Next (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	RL (dB)	DELAY ns	DELAY SKEW ns
1.0	2.2	>60	>57	57.4	54.4	17.0	--	--
4.0	4.5	53.5	50.5	45.4	42.4	17.0	--	--
8.0	6.3	48.6	45.6	39.3	36.3	17.0	--	--
10.0	7.1	47.0	44.0	37.4	34.4	17.0	555	50
16.0	9.1	43.6	40.6	33.3	30.3	17.0	--	--
20.0	10.2	42.0	39.0	31.4	28.4	17.0	--	--
25.0	11.4	40.3	37.3	29.4	26.4	16.0	--	--
31.25	12.9	38.7	35.7	27.5	24.5	15.1	--	--
62.5	18.6	33.6	30.6	21.5	18.5	12.1	--	--
100.0	24.0	30.1	27.1	17.4	14.4	10.0	--	--

Category 6 channel specifications(ANSI/TIA 568-C.2)

MHz	Attenuation (dB)	Next (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	RL (dB)	DELAY ns	DELAY SKEW ns
1.0	2.1	65.0	62.0	63.3	60.3	19.0	--	--
4.0	4.0	63.0	60.5	51.2	48.2	19.0	--	--
8.0	5.7	58.2	55.6	45.2	42.2	19.0	--	--
10.0	6.3	56.6	54.0	43.3	40.3	19.0	555	50
16.0	8.0	53.2	50.6	39.2	36.2	18.0	--	--
20.0	9.0	51.6	49.0	37.2	34.2	17.5	--	--
25.0	10.1	50.0	47.3	35.3	32.3	17.0	--	--
31.25	11.4	48.4	45.7	33.4	30.4	16.5	--	--
62.5	16.5	43.4	40.6	27.3	24.3	14.0	--	--
100.0	21.3	39.9	37.1	23.3	20.3	12.0	--	--
200.0	31.5	34.8	31.9	17.2	14.2	9.0	--	--
250.0	35.9	33.1	30.2	15.3	12.3	8.0	--	--

Category 6A channel specification(ANSI/TIA 568-C.2)

MHz	Attenuation (dB)	Next (dB)	PSNEXT (dB)	RL (dB)	ACRF (dB)	PSACRF (dB)	PSANEXT (dB)
1.0	2.3	65.0	62.0	19.0	63.3	60.3	67.0
4.0	4.2	63.0	60.5	19.0	51.2	48.2	67.0
8.0	5.8	58.2	55.6	19.0	45.2	42.2	67.0
10.0	6.5	56.6	54.0	19.0	43.3	40.3	67.0
16.0	8.2	53.2	50.6	18.0	39.2	36.2	67.0
20.0	9.2	51.6	49.0	17.5	37.2	34.2	67.0
25.0	10.2	50.0	47.3	17.0	35.3	32.3	66.0
31.25	11.5	48.4	45.7	16.5	33.4	30.4	65.1
62.5	16.4	43.4	40.6	14.0	27.3	24.3	62.0
100.0	20.9	39.9	37.1	12.0	23.3	20.3	60.0
200.0	30.1	34.8	31.9	9.0	17.2	14.2	55.5
250.0	33.9	33.1	30.2	8.0	15.3	12.3	54.0
300.0	37.4	31.7	28.8	7.2	13.7	10.7	52.8
400.0	43.7	28.7	25.8	6.0	11.2	8.2	51.0
500.0	49.3	26.1	23.2	6.0	9.3	6.3	49.5

ANSI/TIA-569-B Standard

Commercial Building Standard for telecommunications Pathways and spaces

Telecommunications Closet

- Dedicated to telecommunications function and support facilities only.
- Minimum of one closet per floor
- Additional closets should be provided for each area up to 1000 m² (10,000 ft²) when:
 - The floor area served exceeds 1000m² (10,000 ft²)
 - The horizontal distance exceeds 90m (300 ft)

Recommended Closet Sizing:

(based on 1 work station per 10 m² (100ft²))

Serving Area		Closet Sizing	
(m ²)	(ft ²)	(m ²)	(ft ²)
1,000	10,000	3,000 X 3400	10 X 11
1,000	10,000	3,000 X 3400	10 X 11
1,000	10,000	3,000 X 3400	10 X 11

Equipment Room

- Centralized space for telecommunications equipment
- Shall house only equipment directly related to the telecommunications system and its environmental support systems

Sizing:

- To meet known requirements of specific equipment.
- If equipment is unknown, plan for 0.07m² (0.75ft²) of equipment room space for every 10m² (100 ft²) of work station space.
- Must be a minimum of 14m² (150ft²)
- For special-use buildings, size must be based on number of work stations as follows:

Equipment Room Floor space for Special-use Buildings:

Area

Work Stations	(m ²)	(ft ²)
Up to 100	14	150
101 to 400	37	400
401 to 800	74	800
801 to 1200	111	1200

Entrance Facilities

- Consists of the telecommunications service entrance to the building, including the entrance point through the wall, and continuing to the entrance room or space.
- May contain the backbone pathways that link to other buildings in campus environments.
- Sizing:

Minimum Equipment and Termination Wall space:

Gross Floor Space		Wall Length	
(m ²)	(ft ²)	(m ²)	(ft ²)
500	5000	900	39
1000	10000	990	39
2000	20000	1060	42
4000	40000	1725	68
5000	50000	2295	90
6000	60000	2400	96
8000	80000	3015	120
10000	100000	3630	144

ANSI/TIA-606B Standard

The administration standard for the telecommunications infrastructure of commercial buildings.

Telecommunications Administration Areas:

- Terminations
- Media
- Pathways
- Spaces
- Bonding/grounding

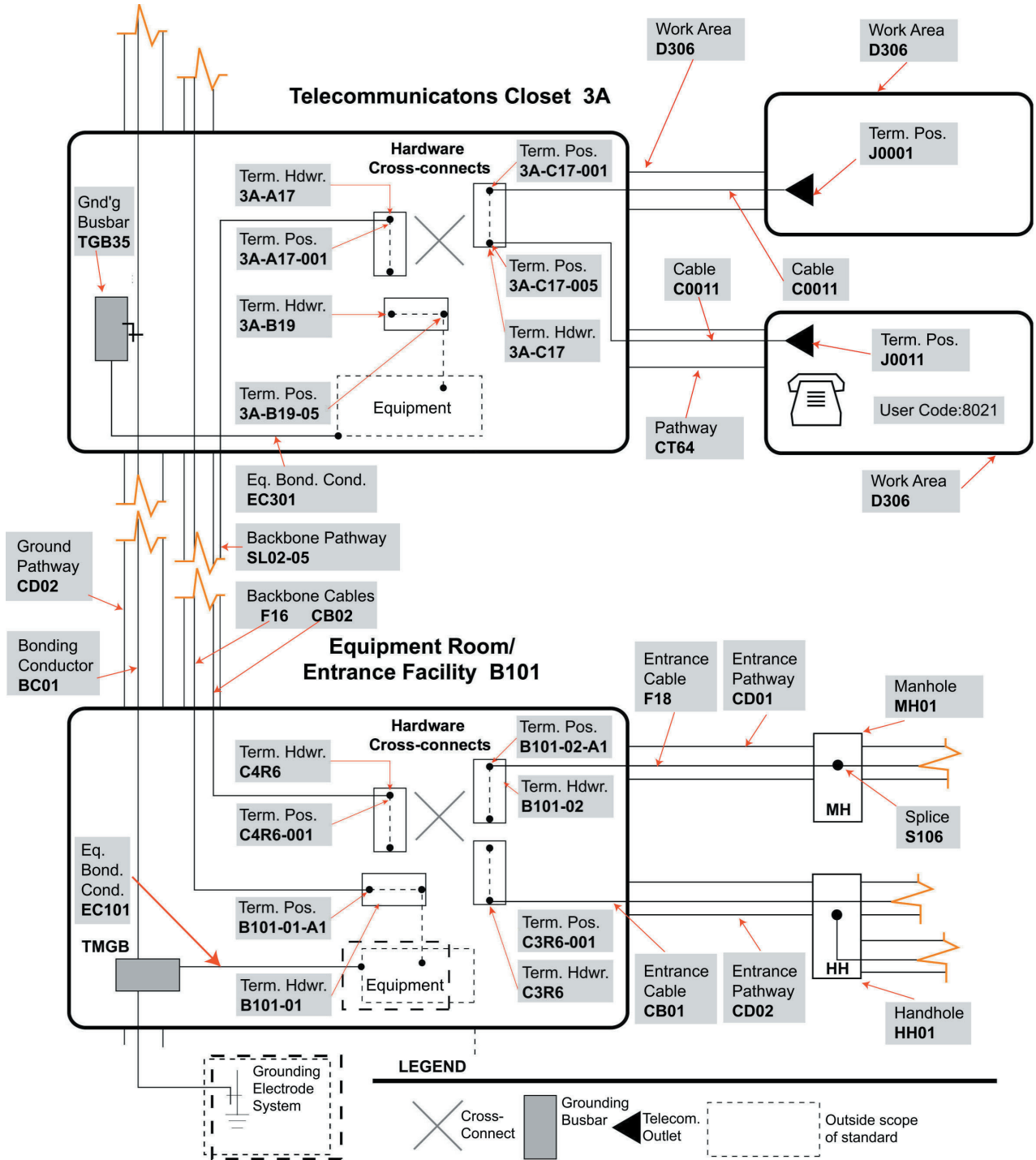
Identifiers:

- Designations assigned to elements of the telecommunications infrastructure.
- Identifiers used to access records of the same type must be unique.
- Encoded identifiers designate the element and provide information about that element.
- Records are the collection of information about or related to a specific element.
- A typical administration system includes labels, drawings, work orders, records & reports.

Additional specifications:

- Identical cables spliced together must be administered as a single cable
- Each horizontal cable must be labeled at both ends
- Termination hardware containing one or more termination positions (e.g.: patch panel jack) may be administered as one termination position.
- A unique identifier must be assigned to each hardware termination unit
- An identifier must be marked on each termination hardware unit or its label
- Station terminations may be labeled on the faceplate, housing or the connector itself.
- Labels can be adhesive, insert or other special purpose labels. Labels must meet legibility, defacement and adhesion requirements specified in UL969 (D16)

Administration Labeling Map:



ANSI/TIA-607 Standard

Commerical building Grounding and Bonding Requirements for Telecommunications

Description:

The standards can be utilized with or without prior knowledge of the telecommunications systems installed in the building. This standard supports a multi-vendor, multi-product environment, as well as the grounding practices for various systems that may be installed on customer premises. ANSI/TIA-607 will be useful to manufacturers of telecommunications equipment, purchasers, installers, or operators of equipment and devices for specifying the exact interface points between the building grounding systems and the telecommunications equipment grounding configuration, and for specifying building grounding configurations need to support this equipment. ANSI/TIA-607 will also help building owners and developers who want to build an advanced technology structure that is compatible with modern telecommunications equipment.

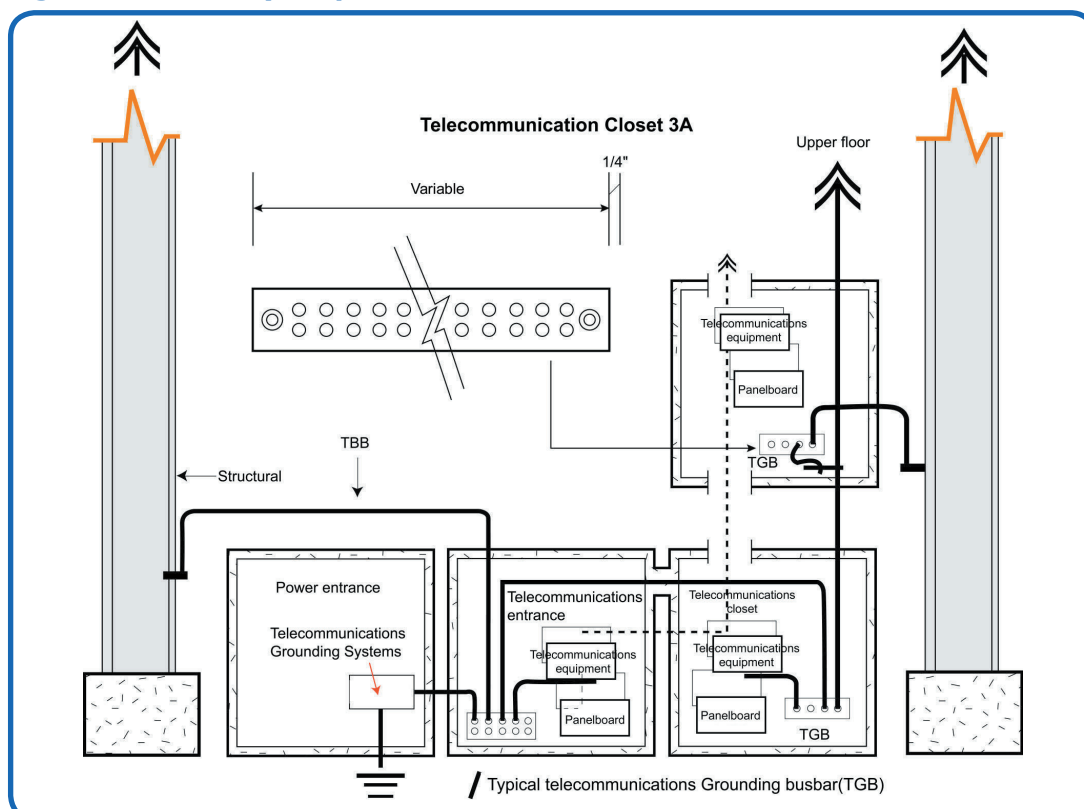
The standard includes specifications for Telecommunications main grounding busbar (TMGB), telecommunications grounding busbar (TGB), bonding conductor for telecommunications, telecommunications bonding backbone (TBB) sizing and bonding.

Telecommunications main grounding busbar (TMGB) refers to a busbar bonded to the service equipment (power) ground by the bonding conductor for telecommunications. The TMGB should be placed in a location that is convenient and accessible.

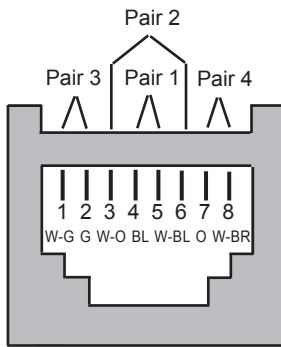
Telecommunications grounding busbar (TGB) is located in a telecommunications closet or equipment room, it serves as a common central point of connection for telecommunications systems and equipment in the area served by that TC or equipment room.

Telecommunications bonding backbone (TBB) is a copper conductor used to connect the telecommunications main grounding busbar to the telecommunications grounding busbar located on the floor farthest away.

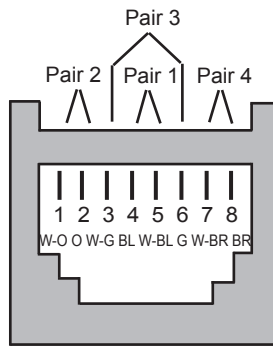
Grounding & Connectivity map:



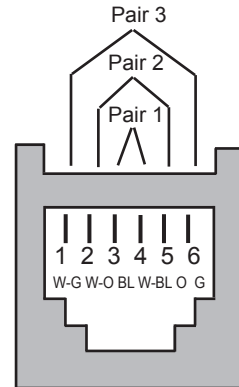
Wiring Schemes(1)



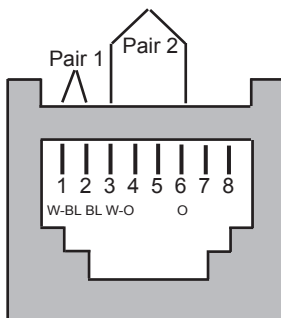
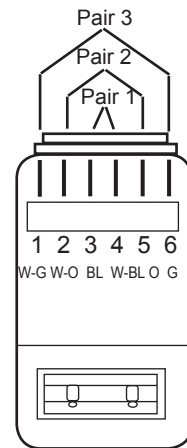
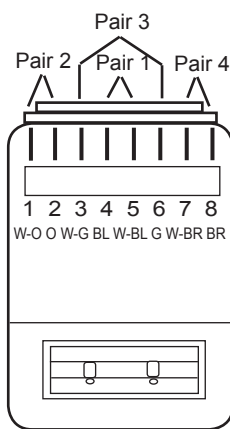
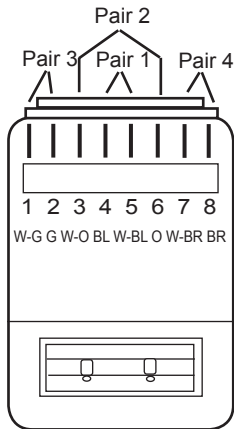
T568A



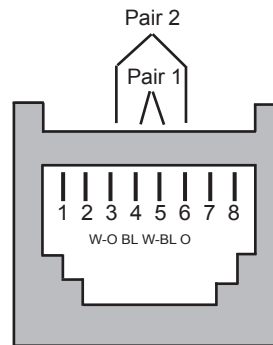
T568B



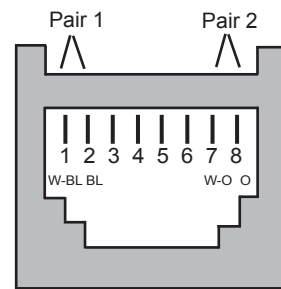
USOC



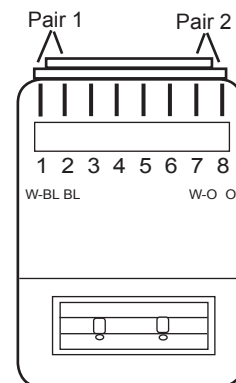
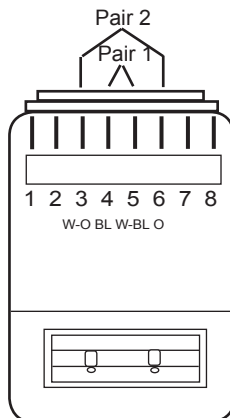
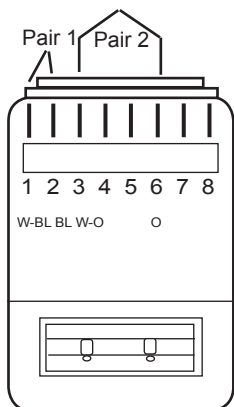
10BASE-T

































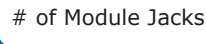









































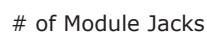







Token Ring



TP-PMD



Wiring Schemes(2)			1 6		1 6		1 6		1 8		1 8	
			USOC RJ11		USOC RJ11		USOC RJ11		USOC RJ45		356A RJ45	
25 Pair Cable(Color Code)	Telco pin#	110 pin#	6P2C pin#		6P4C pin#		6P6C pin#		8P8C pin#		8P6C pin#	
			Pair I D	Pair I D	Pair I D	Pair I D	Pair I D	Pair I D	Pair I D	Pair I D		
 White/Blue	26	1	4	T1	4	T1	4	T1	5	T1	5	T1
 Blue/White	1	2	3	R1	3	R1	3	R1	4	R1	4	R1
 White/Orange	27	3	4	T1	2	T2	2	T2	3	T2	1	T2
 Orange/White	2	4	3	R1	5	R2	5	R2	6	R2	2	R2
 White/Green	28	5	4	T1	4	T1	1	T3	2	T3	3	T3
 Green/White	3	6	3	R1	3	R1	6	R3	7	R3	6	R3
 White/Brown	29	7	4	T1	2	T2	4	T1	8	T4	5	T1
 Brown/White	4	8	3	R1	5	R2	3	R1	1	R4	4	R1
 White/Slate	30	9	4	T1	4	T1	2	T2	5	T1	1	T2
 Slate/White	5	10	3	R1	3	R1	5	R2	4	R1	2	R2
 Red/Blue	31	11	4	T1	2	T2	1	T3	3	T2	3	T3
 Blue/Red	6	12	3	R1	5	R2	6	R3	6	R2	6	R3
 Red/Orange	32	13	4	T1	4	T1	4	T1	2	T3	5	T1
 Orange/Red	7	14	3	R1	3	R1	3	R1	7	R3	4	R1
 Red/Green	33	15	4	T1	2	T2	2	T2	8	T4	1	T2
 Green/Red	8	16	3	R1	5	R2	5	R2	1	R4	2	R2
 Red/Brown	34	17	4	T1	4	T1	1	T3	5	T1	3	T3
 Brown/Red	9	18	3	R1	3	R1	6	R3	4	R1	6	R3
 Red/Slate	35	19	4	T1	2	T2	4	T1	3	T2	5	T1
 Slate/Red	10	20	3	R1	5	R2	3	R1	6	R2	4	R1
 Black/Blue	36	21	4	T1	4	T1	2	T2	2	T3	1	T2
 Blue/Black	11	22	3	R1	3	R1	5	R2	7	R3	2	R2
 Black/Orange	37	23	4	T1	2	T2	1	T3	8	T4	3	T3
 Orange/Black	12	24	3	R1	5	R2	6	R3	1	R4	6	R3
 Black/Green	38	25	4	T1	4	T1	4	T1	5	T1	5	T1
 Green/Black	13	26	3	R1	3	R1	3	R1	4	R1	4	R1
 Black/Brown	39	27	4	T1	2	T2	2	T2	3	T2	1	T2
 Brown/Black	14	28	3	R1	5	R2	5	R2	6	R2	2	R2
 Black/Slate	40	29	4	T1	4	T1	1	T3	2	T3	3	T3
 Slate/Black	15	30	3	R1	3	R1	6	R3	7	R3	6	R3
 Yellow/Blue	41	31	4	T1	2	T2	4	T1	8	T4	5	T1
 Blue/Yellow	16	32	3	R1	5	R2	3	R1	1	R4	4	R1
 Yellow/Orange	42	33	4	T1	4	T1	2	T2	5	T1	1	T2
 Orange/Yellow	17	34	3	R1	3	R1	5	R2	4	R1	2	R2
 Yellow/Green	43	35	4	T1	2	T2	1	T3	3	T2	3	T3
 Green/Yellow	18	36	3	R1	5	R2	6	R3	6	R2	6	R3
 Yellow/Brown	44	37	4	T1	4	T1	4	T1	2	T3	5	T1
 Brown/Yellow	19	38	3	R1	3	R1	3	R1	7	R3	4	R1
 Yellow/Slate	45	39	4	T1	2	T2	2	T2	8	T4	1	T2
 Slate/Yellow	20	40	3	R1	5	R2	5	R2	1	R4	2	R2
Violet/Blue	46	41	4	T1	4	T1	1	T3	5	T1	3	T3
Blue/Violet	21	42	3	R1	3	R1	6	R3	4	R1	6	R3
Violet/Blue	47	43	4	T1	2	T2	4	T1	3	T2	5	T1
Blue/Violet	22	44	3	R1	5	R2	3	R1	6	R2	4	R1
Violet/Green	48	45	4	T1	4	T1	2	T2	2	T3	1	T2
Green/Violet	23	46	3	R1	3	R1	5	R2	7	R3	2	R2
Violet/Brown	49	47	4	T1	2	T2	1	T3	8	T4	3	T3
Brown/Violet	24	48	3	R1	5	R2	6	R3	1	R4	6	R3
Violet/Slate	50	49	-	-	-	-	-	-	-	-	-	-
Slate/Violet	25	50	-	-	-	-	-	-	-	-	-	-
# of Module Jacks per Telco Connector			24		12		8		6		8	

Wiring Schemes(3)				1 8		1 8		1 8		1 6		1 6	
				10 Base-T RJ45		568B(258A) RJ45		568A RJ45		DEC MMJ		DEC MMJ	
25 Pair Cable(Color Code)		Telco pin#	110 pin#	8P4C pin#	Pair I D	8P8C pin#	Pair I D	8P8C pin#	Pair I D	6P4C pin#	Pair I D	6P6C pin#	Pair I D
	White/Blue	26	1	1	T2	5	T1	5	T1	2	T1	4	T1
	Blue/White	1	2	2	R2	4	R1	4	R1	3	R1	3	R1
	White/Orange	27	3	3	T3	1	T2	3	T2	5	T2	4	T2
	Orange/White	2	4	6	R3	2	R2	6	R2	4	R2	3	R2
	White/Green	28	5	1	T2	3	T3	1	T3	1	T1	4	T3
	Green/White	3	6	2	R2	6	R3	2	R3	6	R1	3	R3
	White/Brown	29	7	3	T3	7	T4	7	T4	2	T2	4	T1
	Brown/White	4	8	6	R3	8	R4	8	R4	3	R2	3	R1
	White/Slate	30	9	1	T2	5	T1	5	T1	5	T1	4	T2
	Slate/White	5	10	2	R2	4	R1	4	R1	4	R1	3	R2
	Red/Blue	31	11	3	T3	1	T2	3	T2	1	T2	4	T3
	Blue/Red	6	12	6	R3	2	R2	6	R2	6	R2	3	R3
	Red/Orange	32	13	1	T2	3	T3	1	T3	2	T1	4	T1
	Orange/Red	7	14	2	R2	6	R3	2	R3	3	R1	3	R1
	Red/Green	33	15	3	T3	7	T4	7	T4	5	T2	4	T2
	Green/Red	8	16	6	R3	8	R4	8	R4	4	R2	3	R2
	Red/Brown	34	17	1	T2	5	T1	5	T1	1	T1	4	T3
	Brown/Red	9	18	2	R2	4	R1	4	R1	6	R1	3	R3
	Red/Slate	35	19	3	T3	1	T2	3	T2	2	T2	4	T1
	Slate/Red	10	20	6	R3	2	R2	6	R2	3	R2	3	R1
	Black/Blue	36	21	1	T2	3	T3	1	T3	5	T1	4	T2
	Blue/Black	11	22	2	R2	6	R3	2	R3	4	R1	3	R2
	Black/Orange	37	23	3	T3	7	T4	7	T4	1	T2	4	T3
	Orange/Black	12	24	6	R3	8	R4	8	R4	6	R2	3	R3
	Black/Green	38	25	1	T2	5	T1	5	T1	2	T1	4	T1
	Green/Black	13	26	2	R2	4	R1	4	R1	3	R1	3	R1
	Black/Brown	39	27	3	T3	1	T2	3	T2	5	T2	4	T2
	Brown/Black	14	28	6	R3	2	R2	6	R2	4	R2	3	R2
	Black/Slate	40	29	1	T2	3	T3	1	T3	1	T1	4	T3
	Slate/Black	15	30	2	R2	6	R3	2	R3	6	R1	3	R3
	Yellow/Blue	41	31	3	T3	7	T4	7	T4	2	T2	4	T1
	Blue/Yellow	16	32	6	R3	8	R4	8	R4	3	R2	3	R1
	Yellow/Orange	42	33	1	T2	5	T1	5	T1	5	T1	4	T2
	Orange/Yellow	17	34	2	R2	4	R1	4	R1	4	R1	3	R2
	Yellow/Green	43	35	3	T3	1	T2	3	T2	1	T2	4	T3
	Green/Yellow	18	36	6	R3	2	R2	6	R2	6	R2	3	R3
	Yellow/Brown	44	37	1	T2	3	T3	1	T3	2	T1	4	T1
	Brown/Yellow	19	38	2	R2	6	R3	2	R3	3	R1	3	R1
	Yellow/Slate	45	39	3	T3	7	T4	7	T4	5	T2	4	T2
	Slate/Yellow	20	40	6	R3	8	R4	8	R4	4	R2	3	R2
	Violet/Blue	46	41	1	T2	5	T1	5	T1	1	T1	4	T3
	Blue/Violet	21	42	2	R2	4	R1	4	R1	6	R1	3	R3
	Violet/Blue	47	43	3	T3	1	T2	3	T2	2	T2	4	T1
	Blue/Violet	22	44	6	R3	2	R2	6	R2	3	R2	3	R1
	Violet/Green	48	45	1	T2	3	T3	1	T3	5	T1	4	T2
	Green/Violet	23	46	2	R2	6	R3	2	R3	4	R1	3	R2
	Violet/Brown	49	47	3	T3	7	T4	7	T4	1	T2	4	T3
	Brown/Violet	24	48	6	R3	8	R4	8	R4	6	R2	3	R3
	Violet/Slate	50	49	-	-	-	-	-	-	-	-	-	-
	Slate/Violet	25	50	-	-	-	-	-	-	-	-	-	-
# of Module Jacks per Telco Connector				12		6		6		12		8	

P/N	Page	P/N	Page	P/N	Page
1101-01003	51	1201-03354	36	1303-11026	66
1101-01007	51	1201-03355	36	1303-11030	65
1101-03018	53	1201-03356	36	1303-11031	65
1101-03024	53	1201-03357	36	1303-12010	66
1101-03026	53	1201-03358	36	1303-12011	66
1101-03331	34	1201-03359	36	1303-12025	66
1101-03339	34	1201-03360	36	1303-12032	66
1101-04004	16	1201-03361	36	1303-12036	67
1101-04013	53	1201-03362	36	1303-12037	67
1101-04014	53	1201-03363	36	1303-12040	67
1101-04026	53	1201-04022	27	1303-12041	67
1101-04051	16	1201-04023	27	1303-13003	68
1101-06003	3	1201-04024	27	1303-13004	68
1101-06005	3	1201-04025	27	1303-13005	69
1101-06007	3	1201-04157	58	1303-13006	69
1101-06008	3	1201-04158	58	1303-13009	68
1103-03003	43	1201-04159	58	1303-17001	69
1103-03004	54	1201-04160	58	1303-17002	69
1103-03006	54	1201-04161	58	1303-17003	69
1103-04001	54	1201-04162	58	1303-18001	69
1105-03001	43	1201-04163	58	1303-18002	69
1105-05002	2	1201-04164	58	1303-18003	69
1105-05004	2	1201-04174	17	1303-18004	69
1105-06001	9	1201-04175	17	1304-00001	56
1105-06003	9	1201-04176	17	1304-00002	56
1105-06011	9	1201-04184	17	1304-00003	56
1105-06021	9	1201-06091	4	1304-00004	56
1107-04001	26	1201-06092	4	1304-11003	70
1107-04004	26	1201-06093	4	1304-11004	70
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1201-03036	36	1201-06098	10	1305-03014	40
1201-03074	36	1201-06099	10	1305-03015	40
1201-03326	58	1202-03001	41	1305-03023	45
1201-03327	58	1203-03003	41	1305-03024	45
1201-03328	58	1301-01011	64	1305-03030	39
1201-03329	58	1301-02012	63	1305-03033	46
1201-03330	58	1301-02013	63	1305-03039	39
1201-03331	58	1302-03019	63	1305-03040	39
1201-03332	58	1302-03020	63	1305-03041	39
1201-03333	58	1302-04007	63	1305-03042	39
1201-03342	36	1303-00001	55	1305-03047	39
1201-03343	36	1303-00002	55	1305-03048	39
1201-03344	36	1303-00003	55	1305-03054	57
1201-03349	36	1303-11021	66	1305-03055	57
1201-03350	36	1303-11022	66	1305-03056	60
1201-03351	36	1303-11023	66	1305-03057	60
1201-03352	36	1303-11024	66	1305-04012	24
1201-03353	36	1303-11025	66	1305-04013	24

P/N	Page	P/N	Page	P/N	Page
1305-04016	32	1402-04012	19	1601-04003	37
1305-04017	22	1402-04025	50	1601-04010	18
1305-04031	22	1402-04027	50	1601-05003	37
1305-04032	22	1402-04028	50	1601-05010	18
1305-04033	22	1402-04030	50	1601-06004	37
1305-04034	22	1402-04031	50	1601-06011	18
1305-04042	22	1402-04032	50	1601-08005	37
1305-04043	22	1402-04033	28	1601-08013	18
1305-04044	22	1402-04041	50	1701-01001	71
1305-04045	22	1402-04042	50	1701-01004	71
1305-04046	22	1402-04043	50	1701-01005	71
1305-04047	22	1402-04044	50	1701-01006	71
1305-04048	31	1403-03051	38	1701-01015	71
1305-04049	22	1406-00011	6	1701-01016	71
1305-04050	57	1406-00012	13	1701-01017	71
1305-04051	57	1406-00032	13	1701-01020	71
1305-05001	8	1406-00032	73	1701-01028	71
1305-05004	15	1406-00041	73	1701-01029	71
1305-05008	7	1406-05002	5	1701-01033	71
1305-05009	7	1406-05003	11	1701-01034	71
1305-05010	14	1406-05004	5	1801-01003	41
1305-05020	7	1406-05005	11	1801-01004	25
1306-01005	68	1408-03001	30	1801-02001	41
1306-01006	68	1408-03001	21	1801-02002	41
1306-01007	68	1408-03001	12	1801-02004	25
1306-02006	64	1408-04001	30	1801-04001	25
1306-03005	68	1408-04001	21	1802-01005	41
1306-03006	64	1408-04001	12	1802-01006	25
1306-05006	64	1499-00005	19	1802-02002	41
1306-06009	69	1499-00005	20	1802-02003	25
1306-06010	69	1501-88002	37	1802-04001	25
1306-06015	68	1501-88007	37	1803-02004	41
1306-07004	68	1501-88019	37	1804-03002	41
1306-07006	64	1501-88020	37	1804-03003	25
1306-08005	64	1501-88027	18	1804-04001	41
1306-11001	64	1501-88028	18	2101-01028	80
1309-01001	101	1501-88033	59	2101-01029	80
1309-01002	101	1501-88034	59	2101-01049	80
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1310-03001	12	1501-88042	60	2101-XX008	74
1401-04003	20	1501-88043	60	2101-XX009	74
1401-04004	20	1501-88046	18	2101-XX010	74
1402-01001	52	1505-03001	61	2102-XX010	75
1402-01002	52	1505-04001	61	2102-XX011	75
1402-03019	38	1505-05001	61	2102-XX012	75
1402-03020	38	1601-02003	37	2102-XX013	75
1402-03022	44	1601-02011	18	2103-XX224	78
1402-04008	63	1601-03003	37	2103-XX225	78
1402-04011	19	1601-03008	18	2103-XX226	78

P/N	Page	P/N	Page	P/N	Page
2103-XX227	78	2104-15058	87	2106-02001	91
2103-XX332	77	2104-15401	87	2106-02002	91
2103-XX333	77	2104-15403	87	2106-02005	93
2103-XX334	77	2104-15405	87	2106-02013	93
2103-XX335	77	2104-17006	89	2106-03001	91
2103-XX440	76	2104-19002	89	2106-03002	91
2103-XX441	76	2104-21002	86	2106-03003	91
2103-XX442	76	2104-21003	86	2107-01003	91
2103-XX443	76	2104-21004	86	2107-03003	91
2103-XX664	79	2104-21005	86	2107-03005	91
2103-XX665	79	2104-22003	81	2107-03101	92
2103-XX666	79	2104-22004	81	2107-03102	92
2103-XX667	79	2104-22007	81	2107-03201	92
2104-01002	89	2104-22008	81	2107-03202	92
2104-01008	88	2104-22011	81	2107-05004	91
2104-01017	88	2104-22012	81	2107-07004	91
2104-02004	88	2104-22015	81	2107-07005	91
2104-02008	86	2104-22016	81	2107-07102	92
2104-02009	86	2104-22017	85	2107-07104	92
2104-02009	89	2104-22018	85	2107-07202	92
2104-02010	86	2104-22019	85	2107-07204	92
2104-02011	86	2104-22020	85	2107-07302	92
2104-02018	88	2104-22021	85	2107-07304	92
2104-03002	89	2104-22022	85	2111-01011	82
2104-03008	88	2104-22023	85	2111-01036	82
2104-03021	88	2104-22024	85	2111-02011	83
2104-03052	87	2104-22025	85	2111-02031	83
2104-03062	87	2104-22026	85	2201-04001	84
2104-03064	87	2104-22027	85	2201-08001	84
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2104-07079	87	2105-02401	90	2201-48018	100
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2104-07403	87	2105-03002	90	2202-12007	99
2104-07405	87	2105-07002	90	2202-12024	99
2104-12004	88	2105-07004	90	2202-24001	99
2104-15001	88	2105-07007	90	2202-24004	99
2104-15005	88	2105-07401	90	2203-04021	102
2104-15009	89	2106-01002	91	2203-08021	102
2104-15039	87	2106-01003	91	2203-16021	103
2104-15040	87	2106-01004	91	2203-24021	103

P/N	Page	P/N	Page	P/N	Page
2205-02004	94	6103-04001	115	WM-12D-1B	107
2206-00001	99	6104-03002	106	WM-12S-1B	107
2302-00004	111	6106-01003	116	WM-15D-1B	107
2302-00015	111	6106-02005	116	WM-15S-1B	107
2302-00016	111	6201-03004	117	WM-18S-1B	107
2302-00017	111	66-18-1B	109		
2304-01001	72	66-22-1B	109		
2304-01002	72	66-27-1B	109		
2304-01003	72	66-32-1B	109		
2304-01004	72	66-37-1B	109		
2304-02001	73	66-42-1B	109		
2304-02011	73	68-22-1B	109		
2304-03004	73	68-27-1B	109		
2307-05001	73	68-32-1B	109		
3101-01001	104	68-37-1B	109		
3101-01014	104	68-42-1B	109		
3105-01002	104	69-37-1B	109		
3105-01008	104	69-42-1B	109		
3105-01009	104	6A-42-1B	109		
3203-01010	105	7802-01XXX	112		
3203-01011	105	7806-01XXX	113		
3211-07001	105	8204-03001	114		
3211-07002	105	88-42-1B	110		
5005-03001	51	89-42-1B	110		
5005-03002	51	8A-42-1B	110		
6100-00001	116	8B-42-1B	110		
6100-00008	98	FANTRAY66-1B	111		
6100-00009	96	FANTRAY68-1B	111		
6100-00010	96	FANTRAY69-1B	111		
6100-00011	96	FANTRAY6A-1B	111		
6100-00012	94	F-SHELF60-1B	111		
6100-00013	97	F-SHELF80-1B	111		
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6100-00020	96	F-SHELF95-1B	111		
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6100-00050	95	HDF-SHELF80-1B	111		
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6101-03006	106	HDF-SHELF95-1B	111		
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6103-01005	39	S-SHELF90-1B	111		
6103-01005	23	S-SHELF95-1B	111		
6103-01005	7	WM-06D-1B	107		
6103-01006	39	WM-06S-1B	107		
6103-01006	23	WM-09D-1B	107		
6103-01006	7	WM-09S-1B	107		

Catalog No. L0317



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