DINTEK
LAN Cabling Systems

4 Pair 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

Industry Standard:

- UL, ETL Verified
- TIA/EIA 568B.2-1
- ISO/IEC 11801
- EN 50173

Cable Data:

- No. of Pairs:4
- Jacket Color:Gray
- Insulation Thickness: 0.22mm
- Nom.O.D.:6.5mm
- 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(Pair to Ground): 330pf/ 100m max.

P/N	Description	Jacket	Color	Std Pkg Qty
1101-04004	Cat.6, 4P, UTP, 23AWG, Solid	PVC	Gray	305M/ Pull box
1101-04011	Cat.6, 4P, UTP, 23AWG, Solid	LSZH	Gray	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	2.0	74.3	72.3	67.8
4	3.8	65.3	63.3	55.8
10	6.0	59.3	57.3	47.8
16	7.6	56.2	54.2	43.7
20	8.5	54.8	52.8	41.8
31.25	10.7	51.9	49.9	37.9
62.5	15.4	47.4	45.4	31.9
100	19.8	44.3	42.3	27.8
200	29.0	39.8	37.8	21.8
250	32.8	38.3	36.3	19.8

DINTEK
LAN Cabling Systems

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 TIA/EIA-568B.2-1 Category 6 requirements
- Stranded 24AWG wires provides maximum flexibility
- ETL verified to EIA/ TIA-568B specifications
- UL listed
- Wiring: T568B

Industry Standard:

- ETL Verified
- TIA/EIA 568B.2-1
- 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 Pkg Qty
1201-04032	Cat.6 4 pair UTP patch cord	1	Gray	10
1201-04038	Cat.6 4 pair UTP patch cord	2	Gray	10
1201-04044	Cat.6 4 pair UTP patch cord	3	Gray	10
1201-04050	Cat.6 4 pair UTP patch cord	5	Gray	10

- Please contact us for any customized requirements.

DINTEK
LAN Cabling Systems

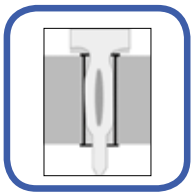
19" Patch Panel

110 Enhanced Cat.6 Patch Panel:

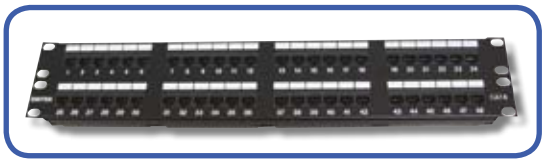
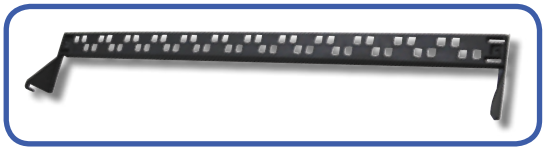
- UL Listed & Verified.
- High performance, exceeds TIA/EIA 568B.2-1 Category 6 Hardware transmission performance
- 110 and Krone dual type IDC termination
- 19" 24 port patch panel, 1U size & 48 port panel, 2U size
- Accepts 22-26 AWG, stranded or solid wire
- Wiring:T568A/ B
- Optional rear cable manager

High-low contact design improves transmission performance

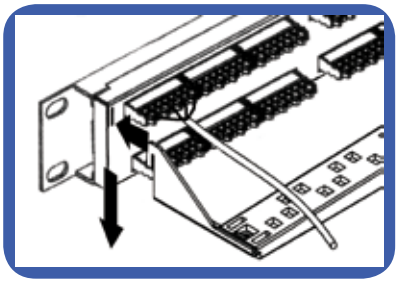
IDC connector with large spacer for each pair to improve crosstalk



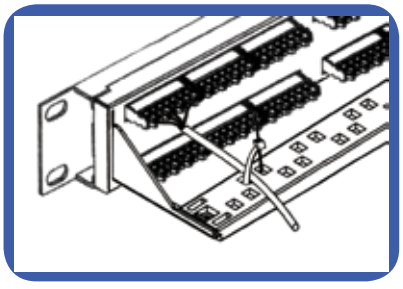
Press fit IDC connector terminal for high frequency application

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	
1402-04010	Cat.6 19" 110/ krone dual type Patch Panel 24 ports, 1U size Component level	25	
1402-04013	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.

DINTEK
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Keystone Jack

Industry Standard:

- UL Listed & Verified.
- High performance, exceeds TIA/EIA 568B.2-1 Category 6 Hardware transmission performance
- Meets FCC parts 68
- ANSI/TIA/ EIA-568B
- 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

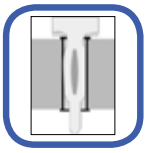
Mechanical:

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

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

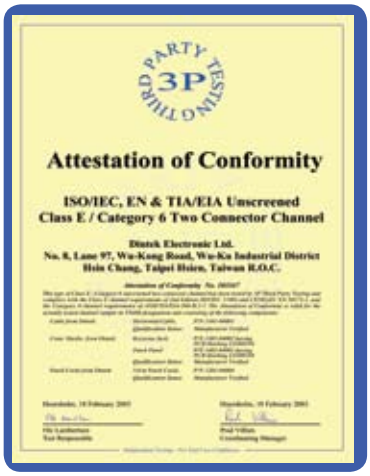
IDC connector with large space between each pair to improve crosstalk

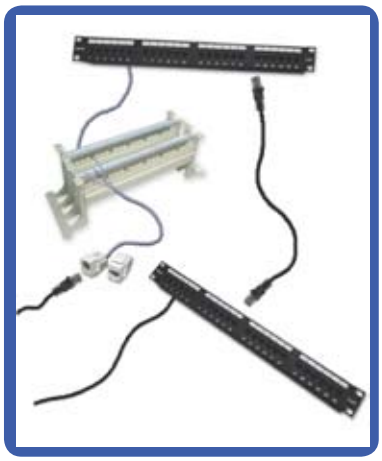


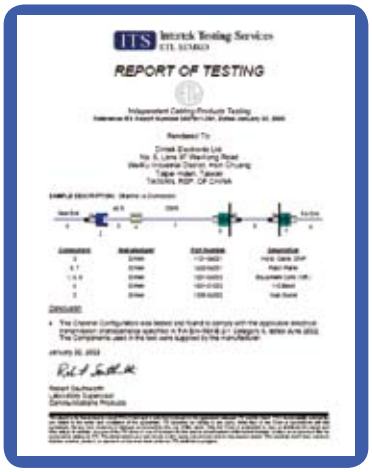
Press fit IDC connector terminal for high frequency application

P/N	Description	Std Pkg Qty	Std Ctn Qty	
1305-04012	Cat.6 110/ Krone horizontal type Keystone Jack, T568A/ B Component level	100	400	
1305-04013	Cat.6 110/ Krone vertical type Keystone Jack, T568A/ B Component level	100	400	

Channel passive performance test configuration -ETL & 3P verified



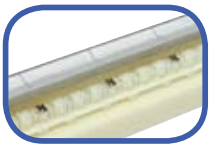




DINTEK
LAN Cabling Systems

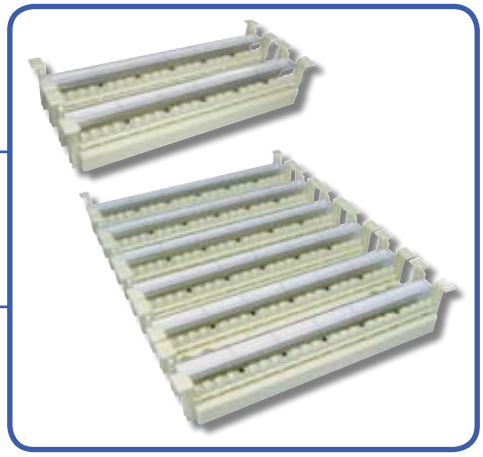
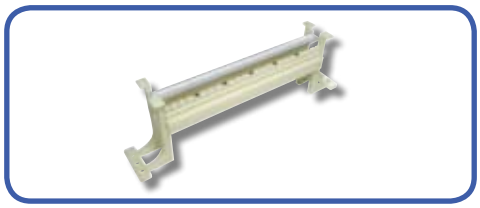
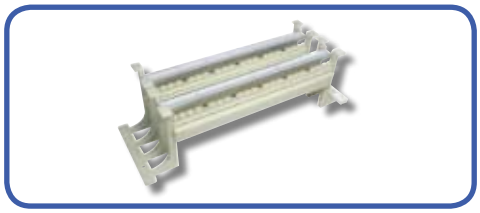
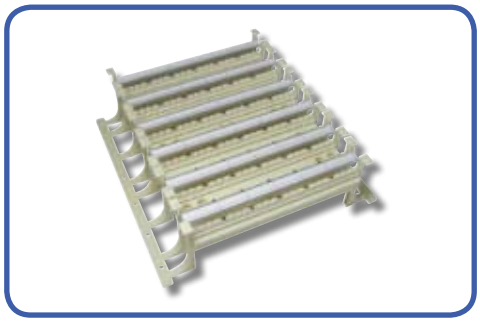
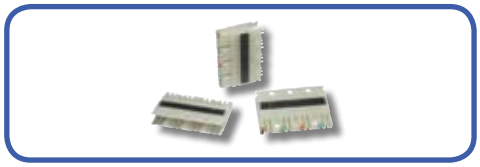
110 Cross-Connect Block

- Exceeds TIA/EIA 568B.2-1 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	

DINTEK
LAN Cabling Systems

4 Pair S-STP 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

Industry Standard:

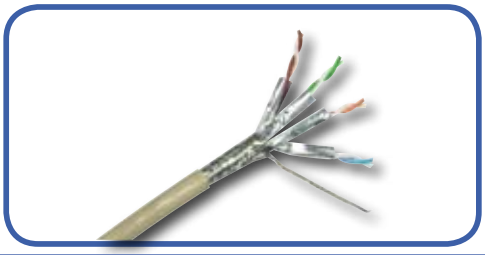
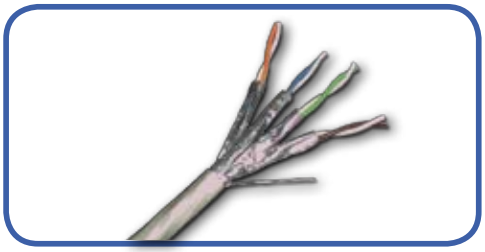
- UL444 communication cables standard, UL AWM style 2835
- TIA/EIA 568B.2-1

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	Std Pkg Qty	
1107-04001	Cat.6 4P S-STP with braiding 23AWG solid cable	PVC	305m (1,000ft) /reel	
1107-04004	Cat.6 4P S-STP without braiding 23AWG solid cable	PVC	305m (1,000ft) /reel	

- For LSZH requirements, please contact us.

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

DINTEK
LAN Cabling Systems

S-STP 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
- TIA/EIA 568B.2-1
- 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 wire braiding, normal with min. 65% coverage.
- Jacket: PVC, flame retardant CM grade
- O.D.: 5.7±0.2mm

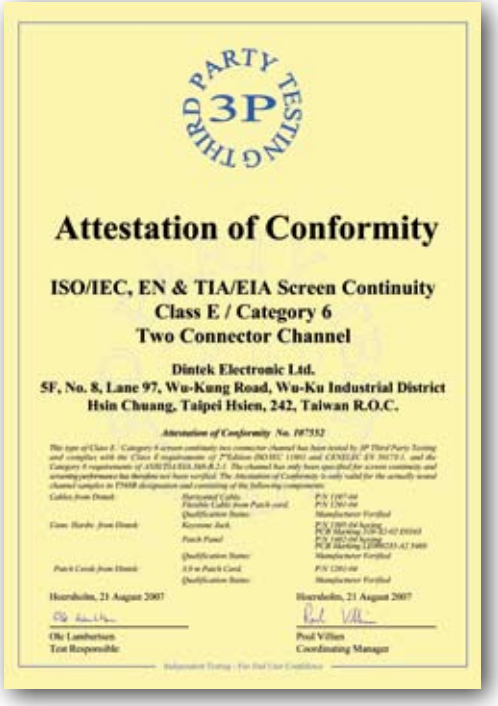
Product Description:

- Molded boots prevent pin from bending and cables from kinking
- Fully tested to meet TIA/EIA-568B.2-1 category 6 requirements
- 50u" gold plating on RJ45 plug contacts.
- Durability: 750 cycles min.
- Wiring: T568B

P/N	Description	Length(M)	Color	Std Pkg Qty
1201-04022	Cat.6 4P S-STP patch cord	1	Gray	10
1201-04023	Cat.6 4P S-STP patch cord	2	Gray	10
1201-04024	Cat.6 4P S-STP patch cord	3	Gray	10
1201-04025	Cat.6 4P S-STP patch cord	5	Gray	10

- Please contact us for any customized requirements.

Cat.6 shielded channel performance -3P verified


THIRD PARTY TESTING 3P

Attestation of Conformity

ISO/IEC, EN & TIA/EIA Screen Continuity
Class E / Category 6
Two Connector Channel

Dintek Electronic Ltd.
5F, No. 8, Lane 97, Wu-Kung Road, Wu-Ku Industrial District
Hsin Chuang, Taipei Hsien, 242, Taiwan R.O.C.

DINTEK
LAN Cabling Systems

Fully Shielded 19"Patch Panel

Features:

- High performance, meets all Cat.6 channel link requirements specifed in TIA/EIA-568B.2-1
- 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:

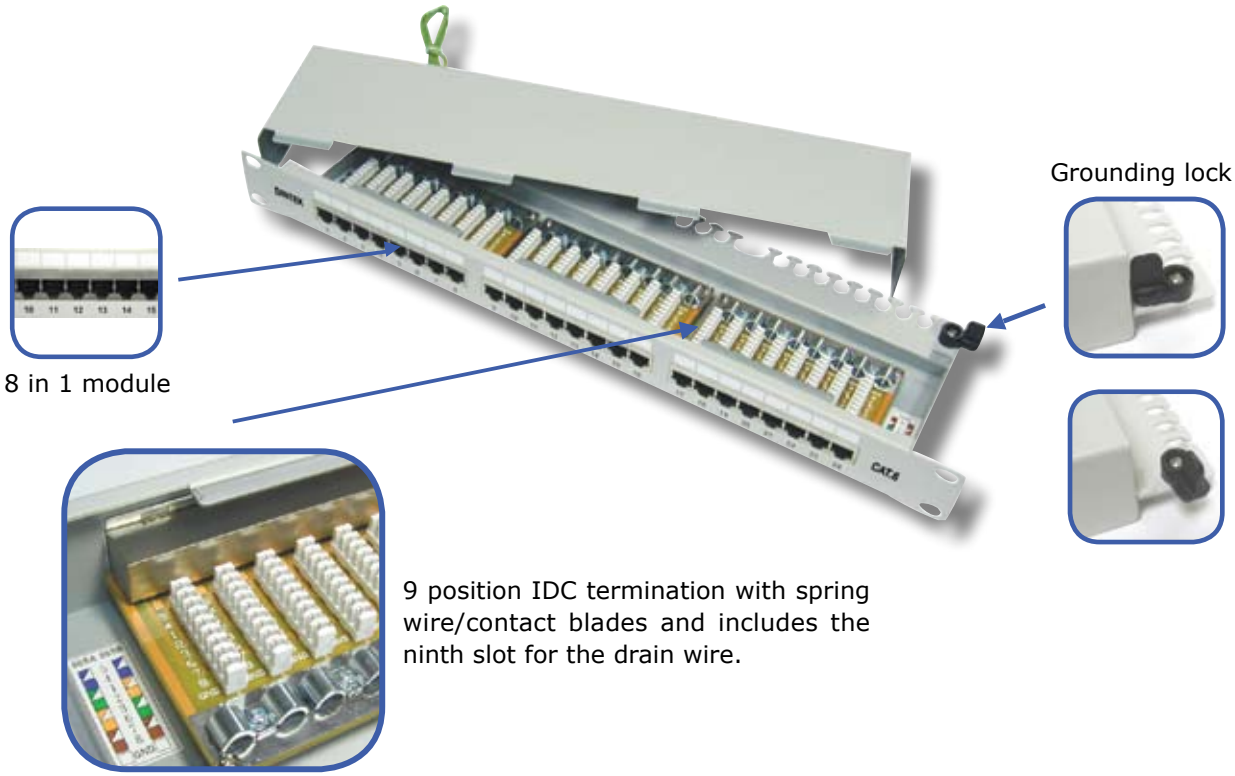
- Insulation resistance: 10 Mega ohms min.
- Dielectric with standing voltage: 1,000 Volts , RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C

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.

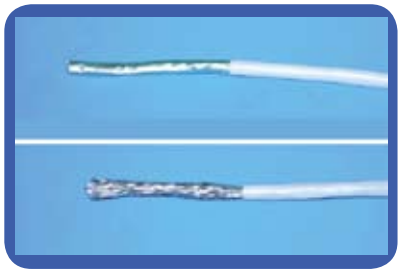


9 position IDC termination with spring wire/contact blades and includes the ninth slot for the drain wire.

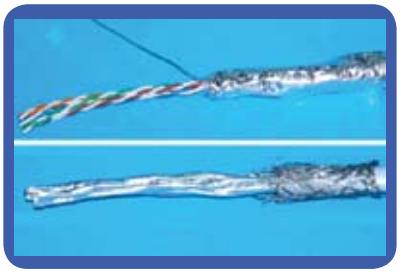
P/N	Description	Std. Ctn. Qty
1402-04004	Cat.6 19" 110/Krone type fully shielded patch panel 24 ports, 1U size	10

DINTEK
LAN Cabling Systems

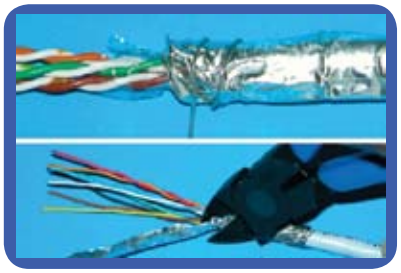
Fully Shielded 19"Patch Panel install instruction



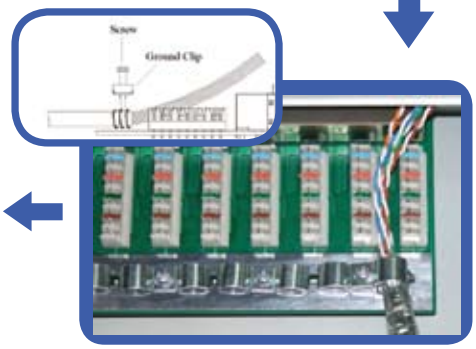
Step 1.
Strip approximately 7.7cm of the jacket from the cable. Be sure that the foil and/or braid remains intact.



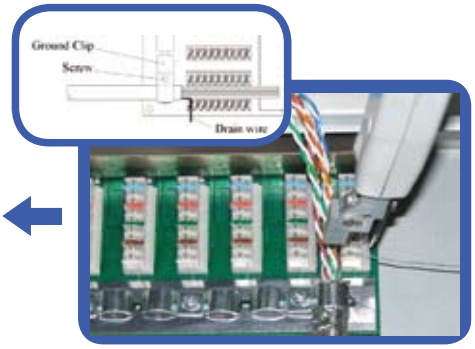
Step 2.
For cable with foil but no braid:
Fold the foil shield back over the jacket of the cable.
For braided cable:
Slide the braid back over the wire, wrap jacket and,if there is a drain wire,wrap it around the braid close to the fold at least 3 times (See Step 5 for alternative drain wire instruction)



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.

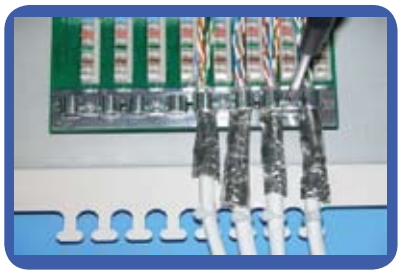


Step 4.
For braided cables:
Insert the cable though the ground clip as shown.



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



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 teminate 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.

DINTEK
LAN Cabling Systems

Fully Shielded Keystone Jack

Transmission performance:

- Meets cat.6 channel performance requirements specified in TIA/EIA-568B.2-1

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 min.
- Number of IDC terminations:200 cycles min.

Electrical:

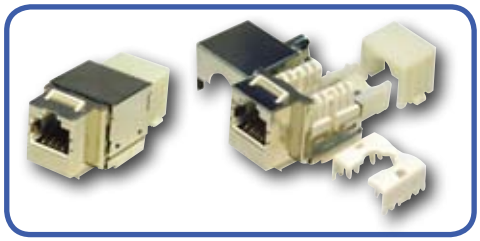
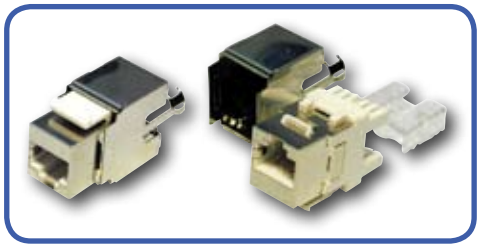
- Electrical insulation resistance: 10 mega ohms min.
- Dielectric with standing voltage: 1,000 V, RMS, 60Hz, 1min.
- Contact resistance: 20 milli ohms max.
- Current rating: 1.5 AMPS at 20°C

Physical:

- Housing: High-impact, flame-retardant plastic, UL94V-0 rated.

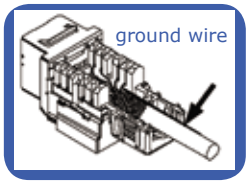
Spring wire/contact blades:

- Material: Phosphor Bronze alloy.
- Plating: 50u" gold plated over 100u" nickel.
- Shell: Brass alloy plated with 100u" nickel.

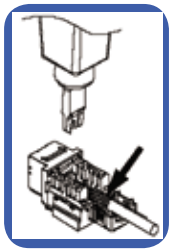
P/N	Description	Std Pkg Qty	Std Ctn Qty	
1305-04006	Cat.6 110/ Krone horizontal type fully shielded keystone Jack, T568A/ B	100	200	
1305-04007	Cat.6 110/ Krone vertical type fully shielded keystone Jack, T568A/ B	100	200	

Horizonal fully shielded keystone jack installion step

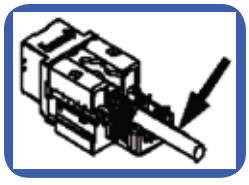
Step 1.



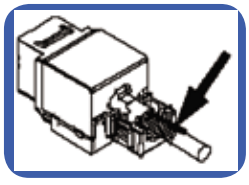
Step 2.



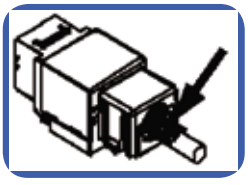
Step 3.



Step 4.

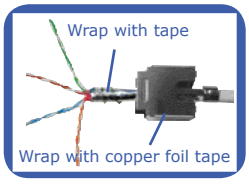


Step 5.

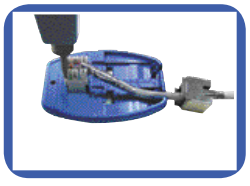


Vertical fully shielded keystone jack installion step

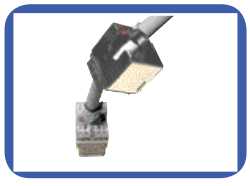
Step 1.



Step 2.



Step 3.



Step 4.

Step 5.