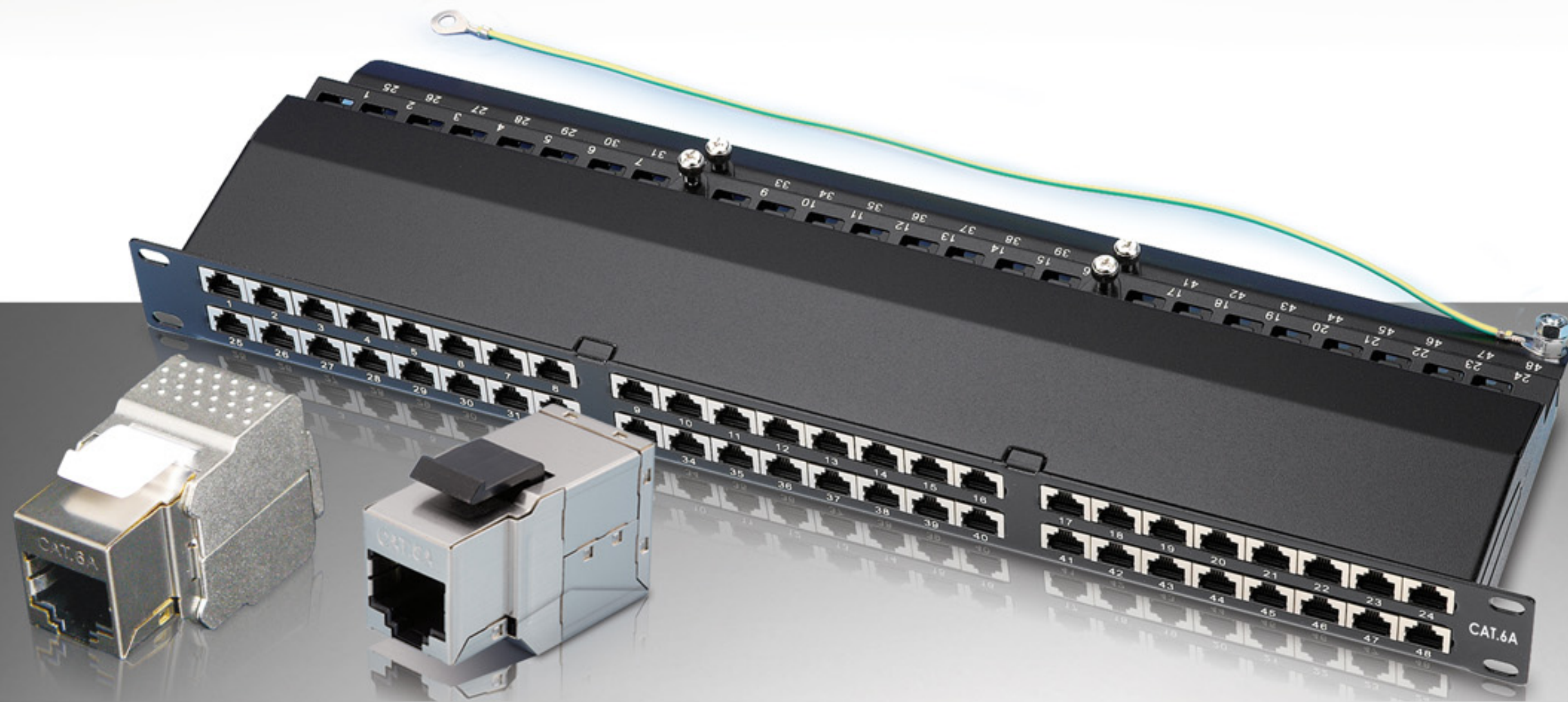


CAT.6A

Structured Cabling

Express Networking Solutions



CAT.6A

Structured Cabling

• Patch Panel • Keystone Jack • Inline Coupler • Work Area Outlet • LAN Cables

Express Networking Solutions



www.epct.com.tw

EPCT CORPORATION

Address No.219, Sec. 3, Dadu Rd., Beitou District, Taipei City 112, Taiwan (R.O.C.)
Telephone 886-2-28588398
Fax 886-2-28587087
E-Mail info@epct.com.tw
Web http://www.epct.com.tw



www.epct.com.tw

CAT.6A

Structured Cabling

• Patch Panel • Keystone Jack • Inline Coupler • Work Area Outlet • LAN Cables

Understanding CAT 6A

Equipment, design and planning, and installation practices for CAT 6A projects are all significantly different from previous generation structured cabling systems. Which will in turn help you accurately bid jobs and shorten installation time. The final result will be a high-performance system that supports today's requirements and provides a smooth migration path toward 10G network performance.

Technical Support & Applications Engineering

When you need assistance with your next CAT 6A project, from selecting the best products for an application to tips on building or installing a system, contact our technical support team. Team members have extensive training on CAT 6A standards and applications, and can help work through your questions as you complete your first 10G installations.

EPCT

www.epct.com.tw

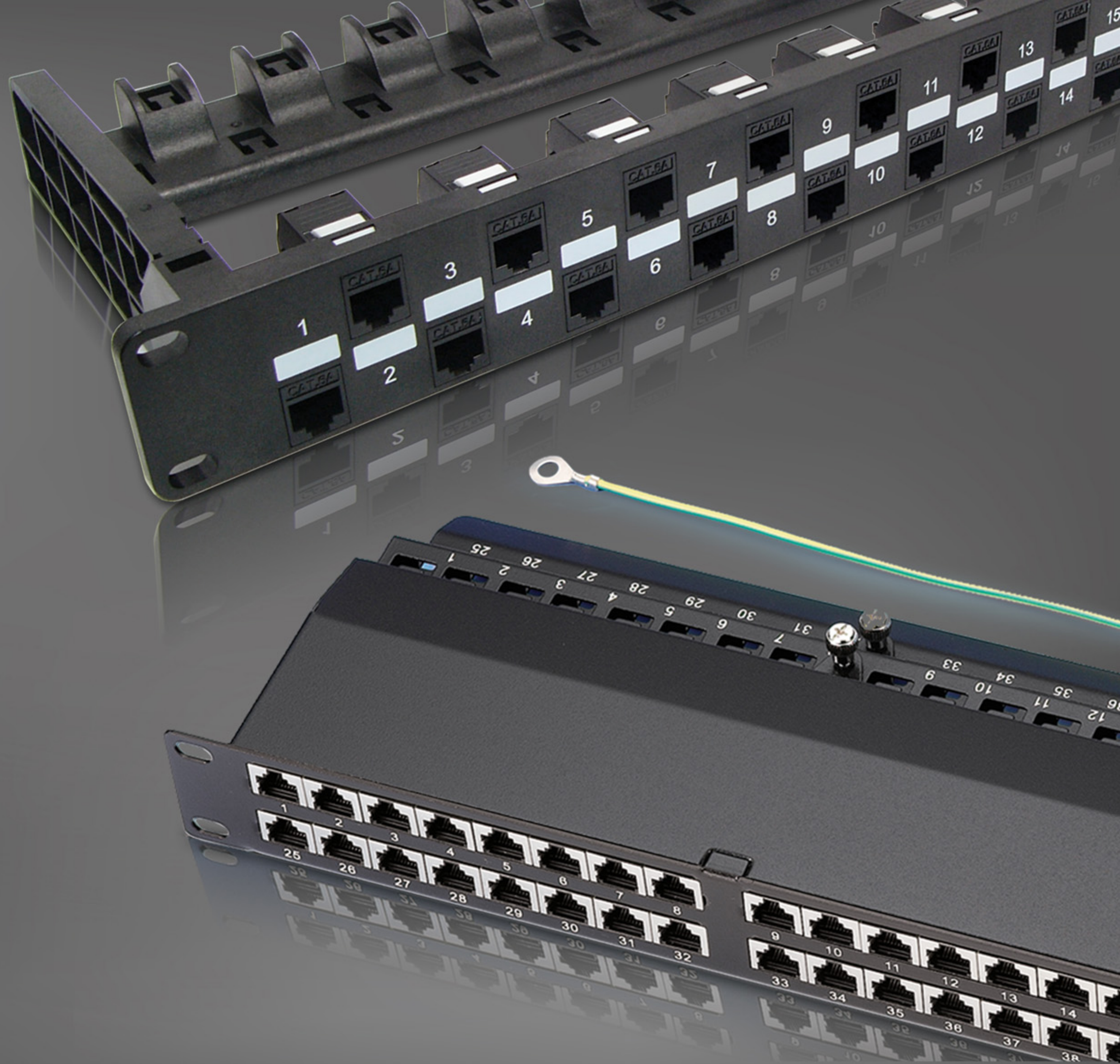
Index

- A** CAT.6A Patch Panel
- B** CAT.6A Keystone Jack
- C** CAT.6A Inline Coupler
- D** CAT.6A Work Area Outlet
- E** CAT.6A Bulk Cable & Patch Cord



CAT.6A Patch Panel

- A1** CAT.6A FTP Snap-in Patch Panel
- A2** CAT.6A UTP 24 Port Snap-in Patch Panel
- A3** CAT.6A FTP Patch Panel
- A4** CAT.6A 1U 48 Port FTP Patch Panel
- A5** CAT.6A FTP 0.5U Patch Panel
- A6** CAT.6A UTP 0.5U Patch Panel





CAT.6A FTP Snap-in Patch Panel

Features

- With cable management bar for improved management.
- Staggered 24 port panel in 1U.
- Mounts in standard EIA 19-inch racks.
- Feasible solution for lower interference and eliminate alien crosstalk.
- 3P certified KJ28F ISO Cat.6A shielded connecting hardware.

How to order

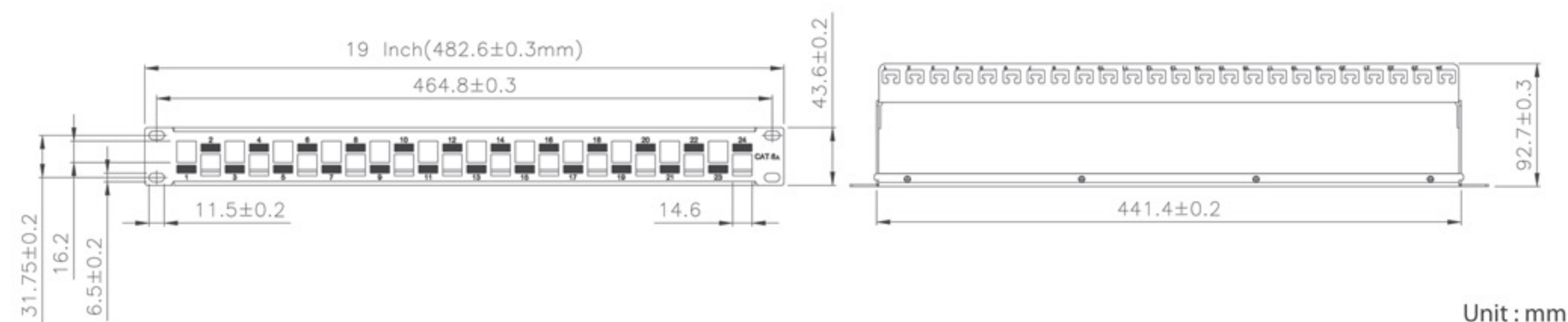
ECKJAF24A-XX (Keystone Loaded)

XX: Keystone Jack Type – 18F = KJ18F-10GFS ; 28F = KJ28F-6A-FS ; 32 = KJ32-6A-FS

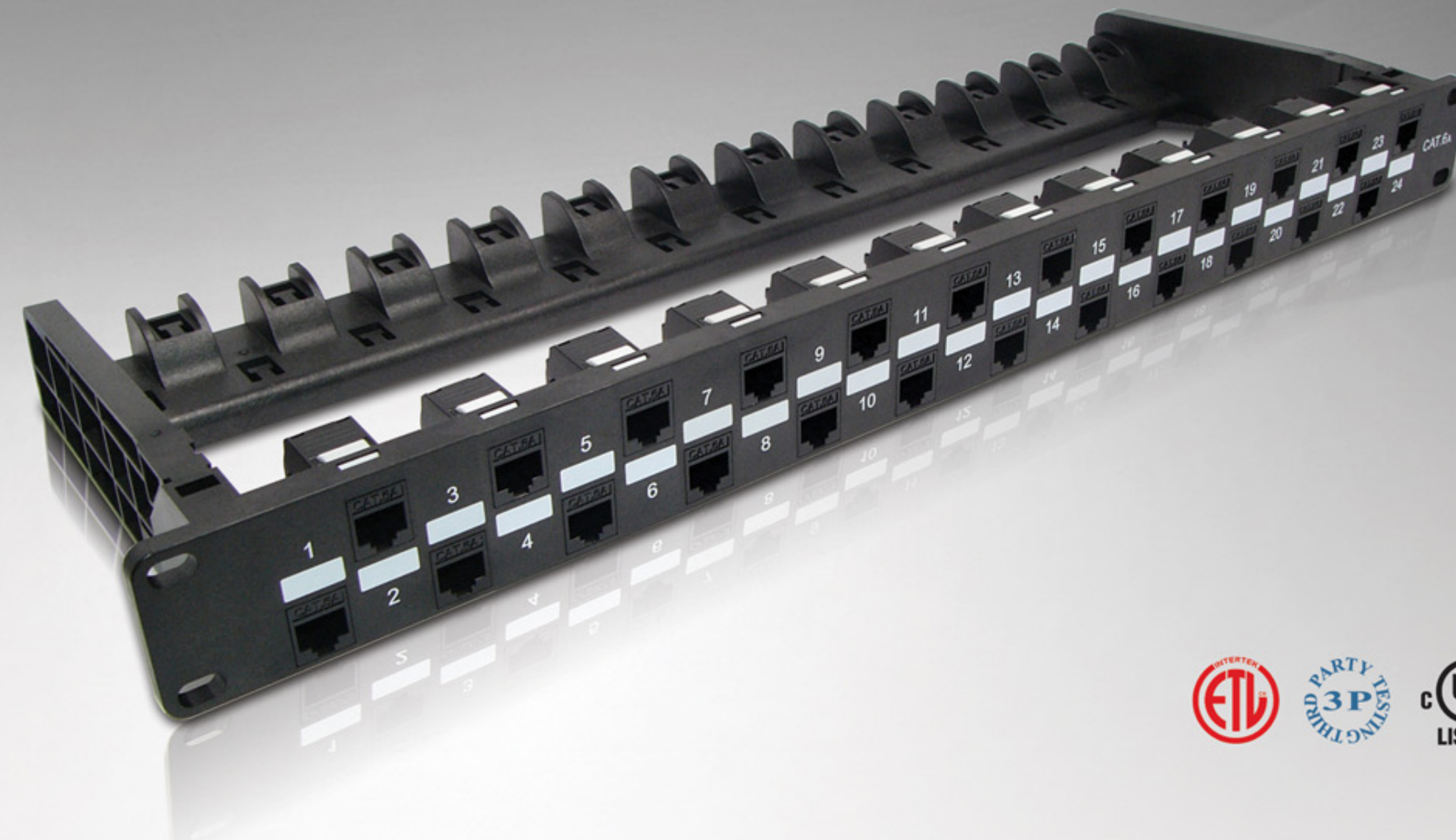
ECKJAF24X/BK (Keystone Unloaded)

X: Panel Printing - A = CAT.6A; 6 = CAT.6; E= CAT. 5E ; Blank = None

Drawing



A1 - CAT.6A FTP Snap-in Patch Panel



CAT.6A UTP 24 Port Snap-in Patch Panel

Features

- With cable management bar for improved management.
- Staggered 24 port panel in 1U.
- Mounts in standard EIA 19-inch racks.
- Feasible solution for lower interference and eliminate alien crosstalk.
- 3P certified KJ28F Cat.6A unshielded connecting hardware.

How to order

ECKJA24A-XXU-X (Keystone Loaded)

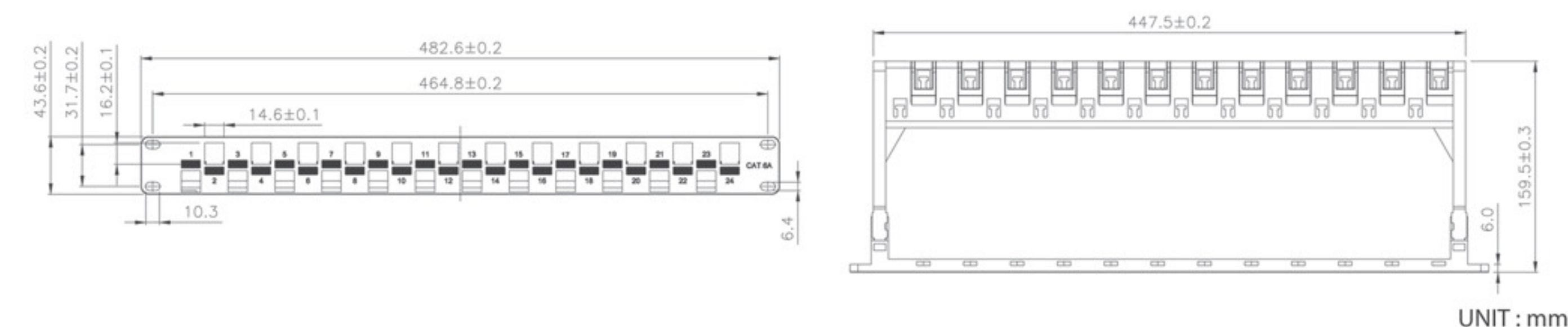
XX: Keystone Jack Type – 28F = KJ28F-6A-US ; 32 = KJ32-6A-US

X: Keystone Jack Color - 0 = Black; 9 = White

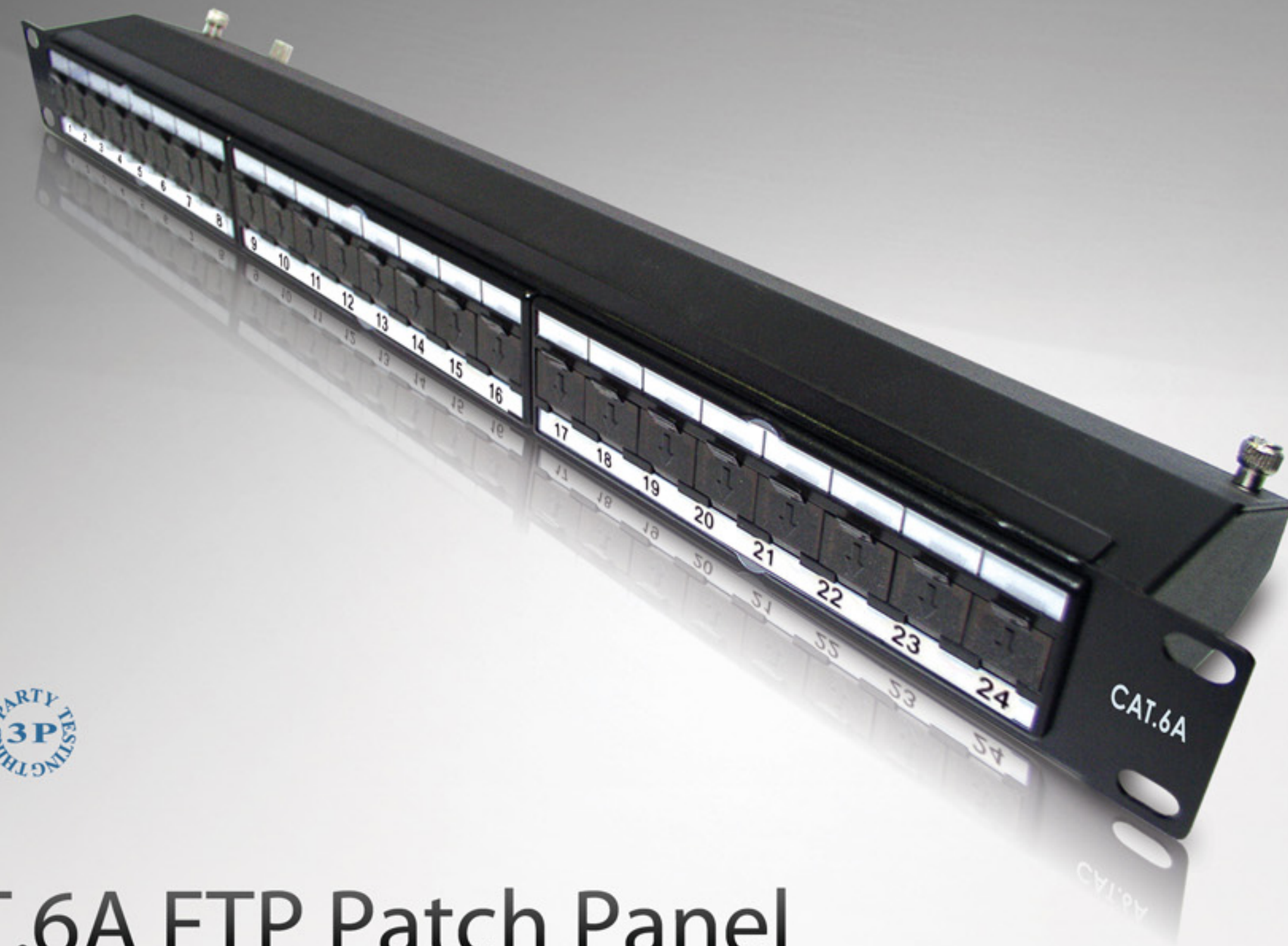
ECKJA24X/BK (Keystone Unloaded)

X: Panel Printing - A = CAT.6A; 6 = CAT.6; E= CAT. 5E ; Blank = None

Drawing



A2 - CAT.6A UTP 24 Port Snap-in Patch Panel



CAT.6A FTP Patch Panel

Features

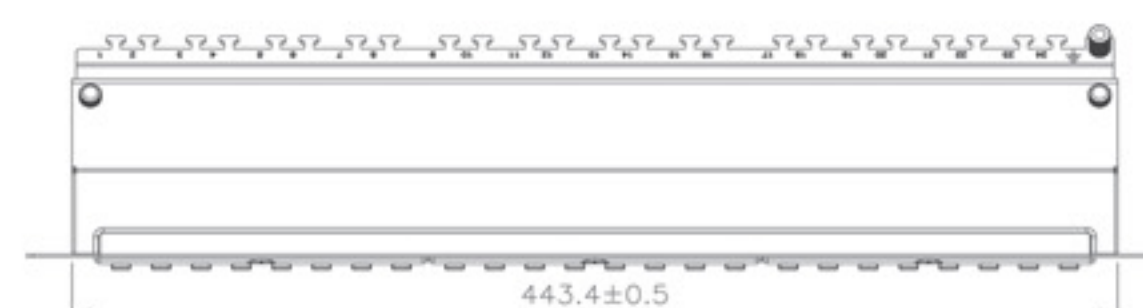
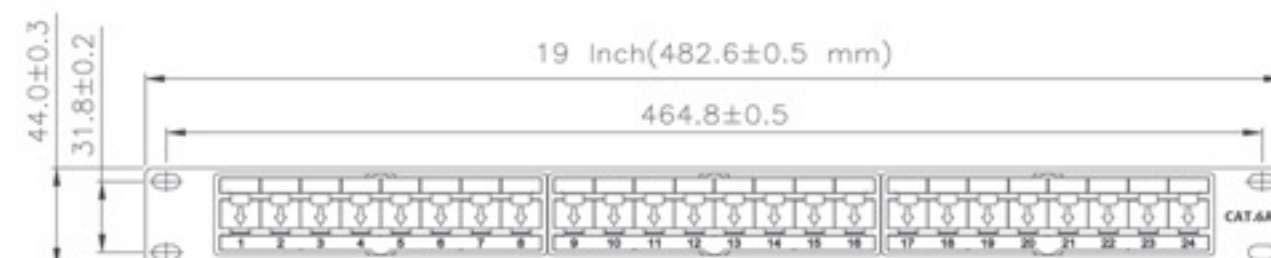
- Hand screw – easy to open cover.
- Eight-port rj45 modules applied.
- Friendly installation. right-angle between idcs & rj45 jacks.
- Jack shutter to keep dust away.
- ID stripes for identifying port allocations.

How to order

ECPSB24-FKR-**CXC**/BK

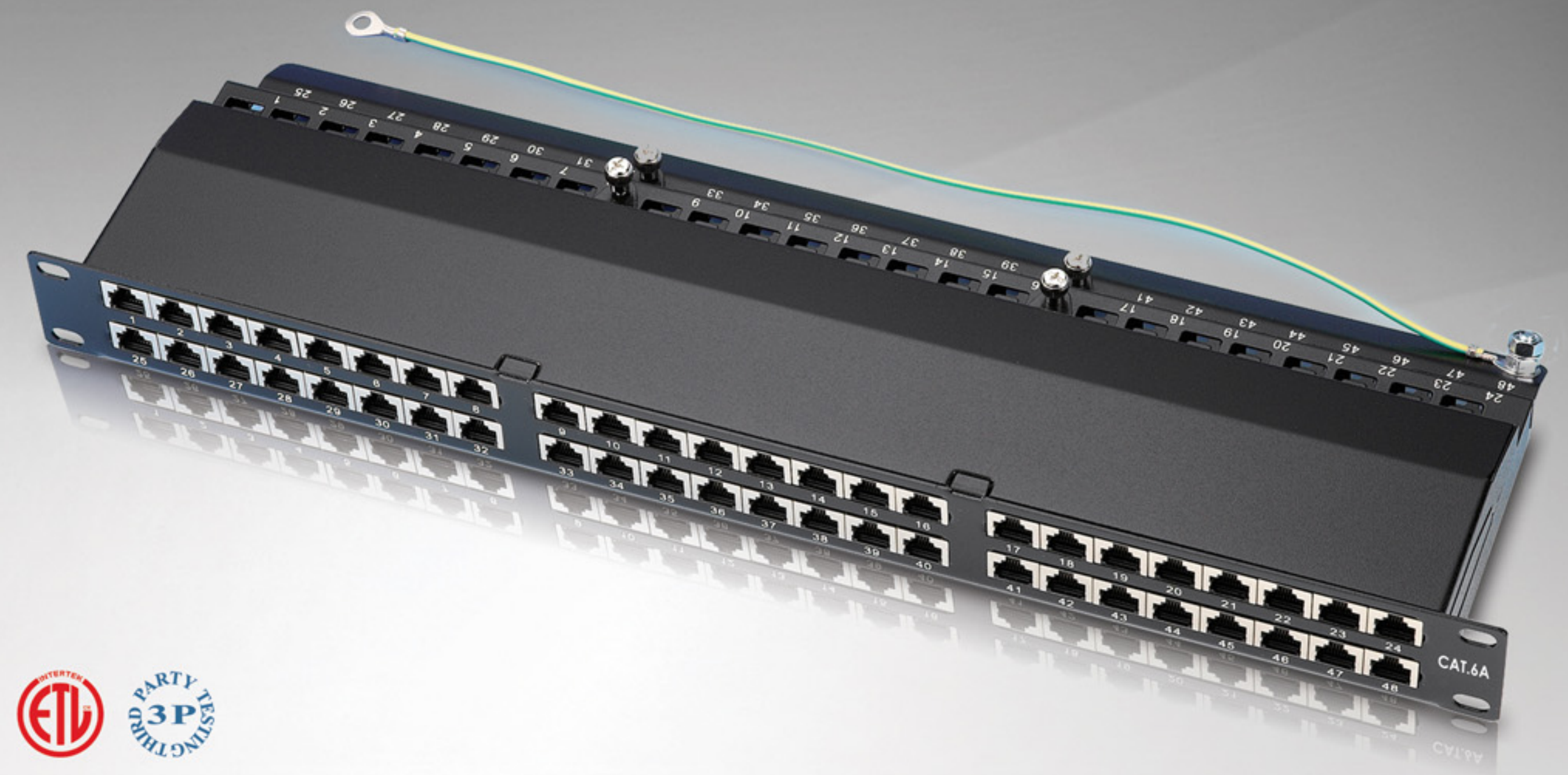
X: Category - A = CAT.6A ; 6 = CAT.6; E = CAT.5E

Drawing



Unit : mm

A3 - CAT.6A FTP Patch Panel



CAT.6A 1U 48 Port FTP Patch Panel

Features

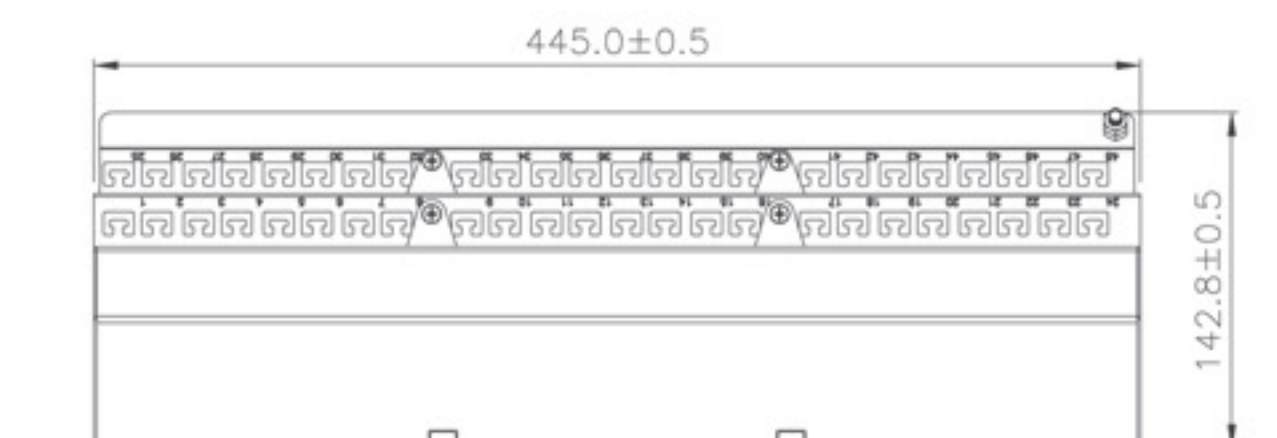
- High density solution, 48 ports in 1 u height rack space.
- Hand screw - easy to open cover.
- Eight-port rj45 modules applied.
- Friendly installation. Right-angle between idcs & rj45 jacks.
- IDC compatible with 110 & krone tool.

How to order

ECPSB48-FKR-**CXC**/BK

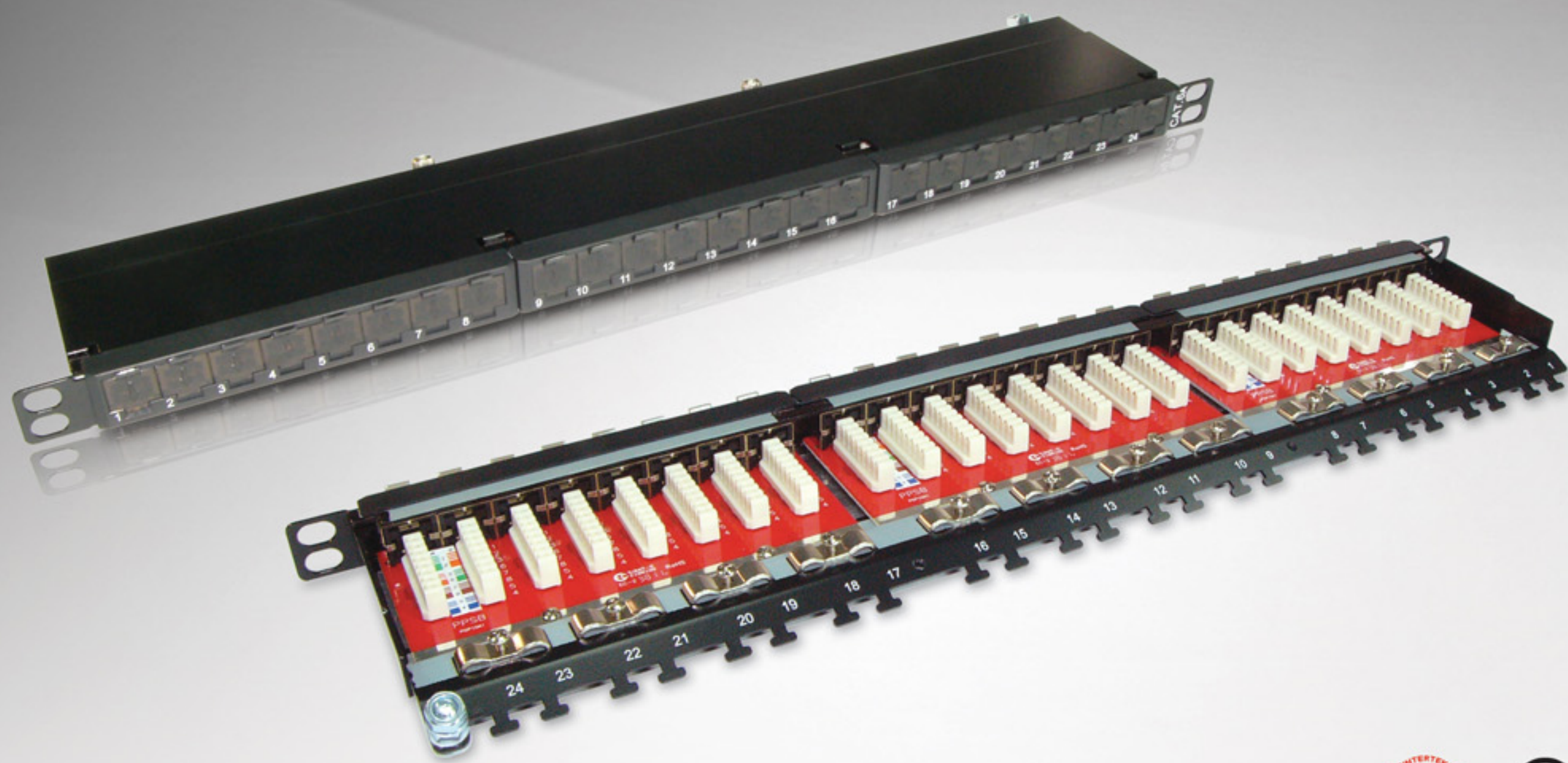
X: Category - A = CAT.6A ; 6 = CAT.6; E = CAT.5E

Drawing



UNIT : mm

A4 - CAT.6A 1U 48 Port FTP Patch Panel



CAT.6A FTP 0.5U Patch Panel

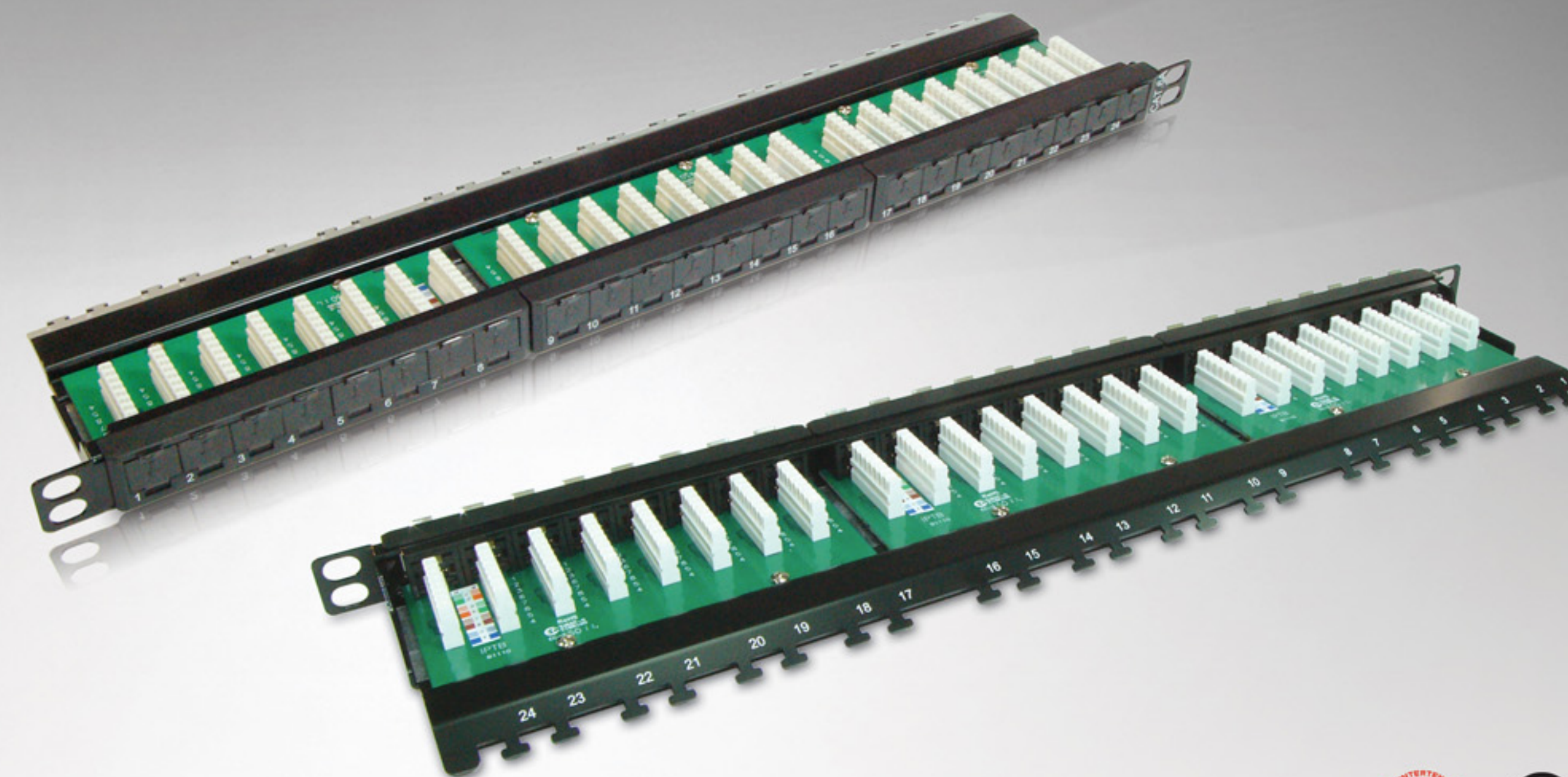
Features

- Shielding protects against Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI), and provides excellent alien crosstalk (AXT) suppression.
- Available category: C6A (500Mhz).

How to order

ECPSB24B-FKR-CXC/BK

X: Panel printing - A = CAT.6A; 6 = CAT.6; E= CAT. 5E ; Blank = None



CAT.6 UTP 0.5U Patch Panel

Features

- Flat profile 24port.
- Made from high-tech composite materials for a look incomparable in the patch panel market.

How to order

ECPTB24B-UKR-CXC/BK

X: Panel printing - 6 = CAT.6; E= CAT. 5E ; Blank = None

CAT.6A Keystone Jack

- B1** CAT.6A UTP 90 Degree Punch Down Keystone Jack
- B2** CAT.6A FTP 90 Degree Punch Down Keystone Jack
- B3** CAT.6A UTP Tool Free Keystone Jack
- B4** CAT.6A FTP Tool Free Keystone Jack
- B5** CAT.6A FTP 180° Tool Free Keystone Jack





CAT.6A UTP 90 Degree Punch Down Keystone Jack

Features

- RJ45 8P8C 50U" jack.
- Terminating 4 pairs, 23~26 awg cable.
- Universal labels color-coded for T568A and T568B wiring schemes.
- Fitting 1u 24 & 48 port high-density keystone panel.
- UL/ETL verified unshielded c6a eia/tia permanent link.

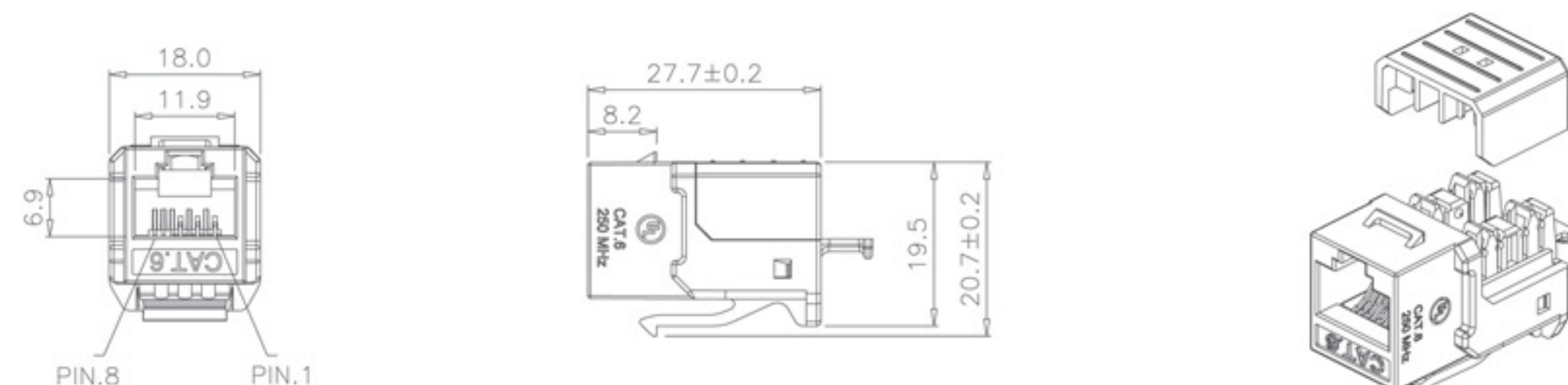
How to order

KJ32-XX-US/XX (Unshielded Keystone Jack)

XX: Category - 6A = CAT.6A; C6 = CAT.6; CE = CAT.5E

XX: Color Code - BK, WH

Drawing



Unit : mm

B1 - CAT.6A UTP 90 Degree Punch Down Keystone Jack



CAT.6A FTP 90 Degree Punch Down Keystone Jack

Features

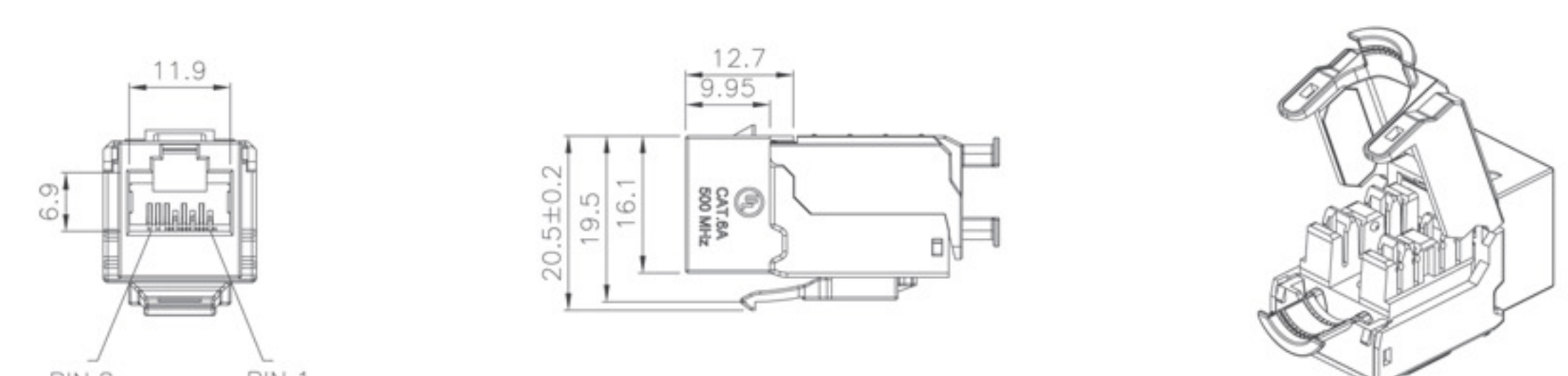
- RJ45 8P8C 50U" jack.
- Terminating 4 pairs, 23~26 awg cable.
- Universal labels color-coded for T568A and T568B wiring schemes.
- Fitting 1u 24 & 48 port high-density keystone panel.
- UL/ETL verified unshielded c6a eia/tia permanent link.

How to order

KJ32-XX-FS (Full Shielded Keystone Jack)

XX: Category - 6A = CAT.6A; C6 = CAT.6; CE = CAT.5E

Drawing



UNIT : mm

B2 - CAT.6A FTP 90 Degree Punch Down Keystone Jack



CAT.6A UTP Tool Free Keystone Jack

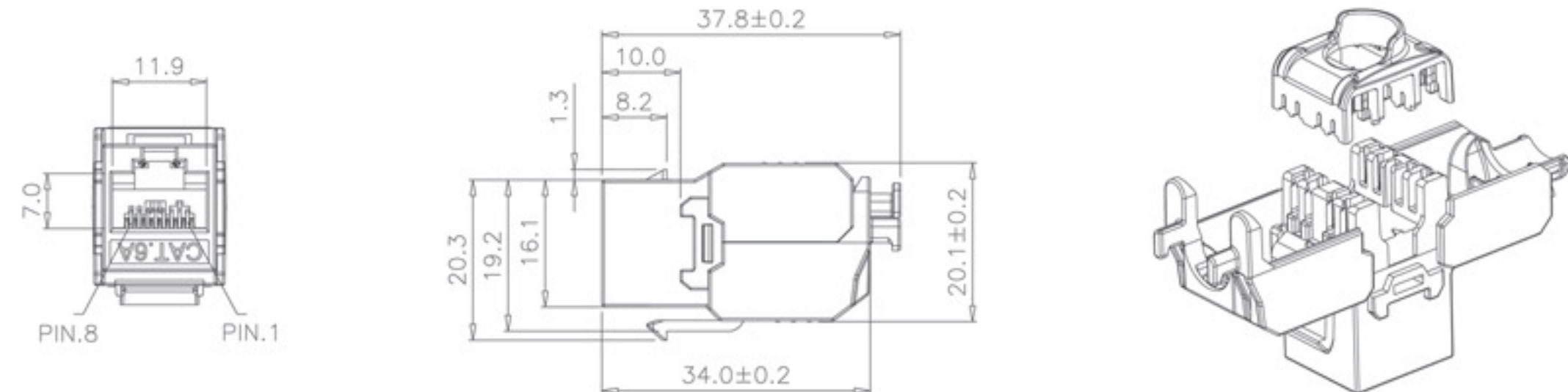
Features

- RJ45 8P8C 50U" jack.
- Terminating 4 pairs , 23~26 awg cable.
- Universal labels color-coded for T568A and T568B wiring schemes.
- Fitting 1u 24 port high-density keystone panel.
- 3P/ETL verified unshielded c6a eia/tia connecting hardware.

How to order

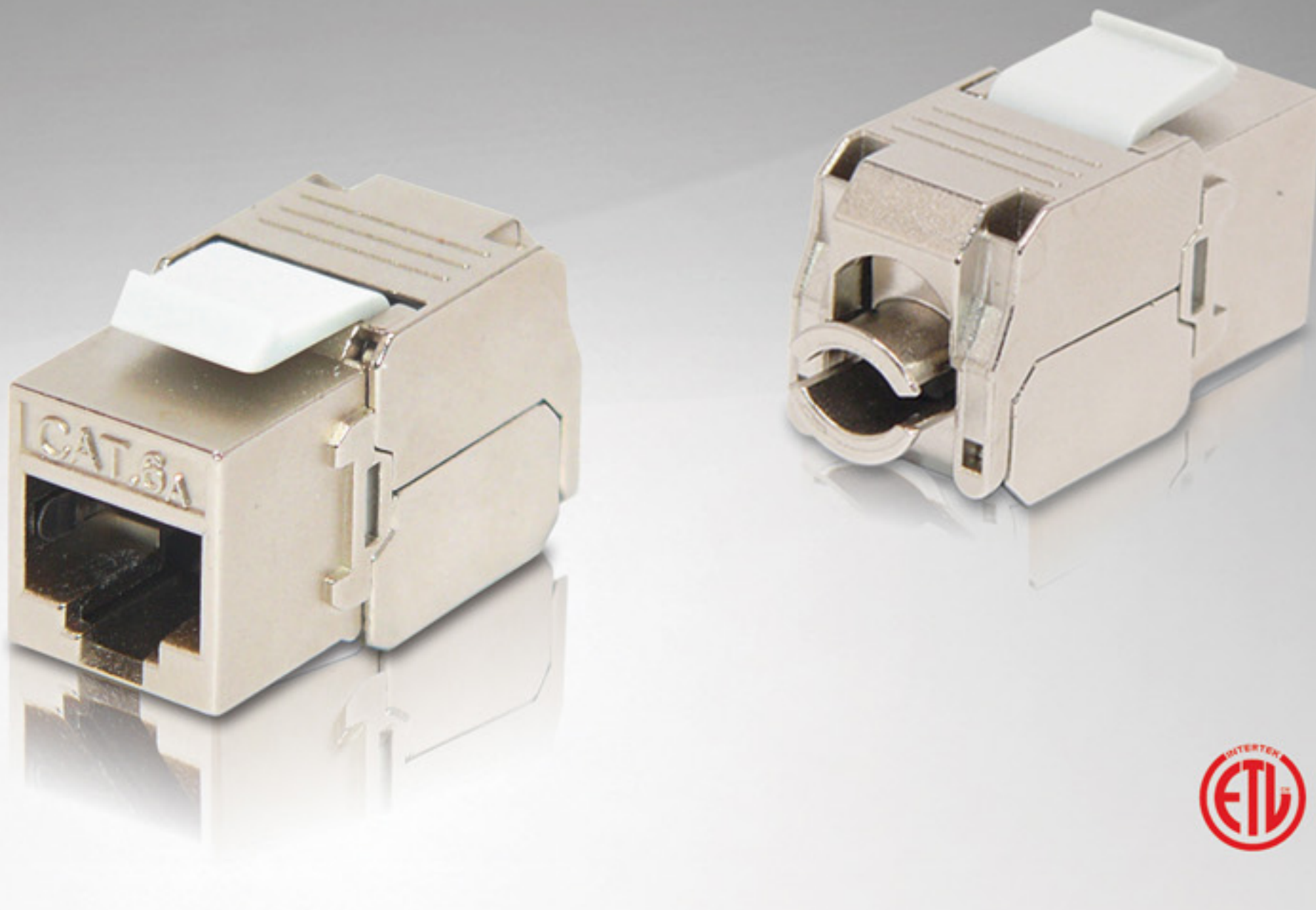
KJ28F-XX-US/XX (Unshielded Keystone Jack)
 XX: Category - 6A = CAT.6A; C6 = CAT.6; CE = CAT.5E
 XX: Color Code - BK, WH

Drawing



Unit : mm

B3 - CAT.6A UTP Tool Free Keystone Jack



CAT.6A FTP Tool Free Keystone Jack

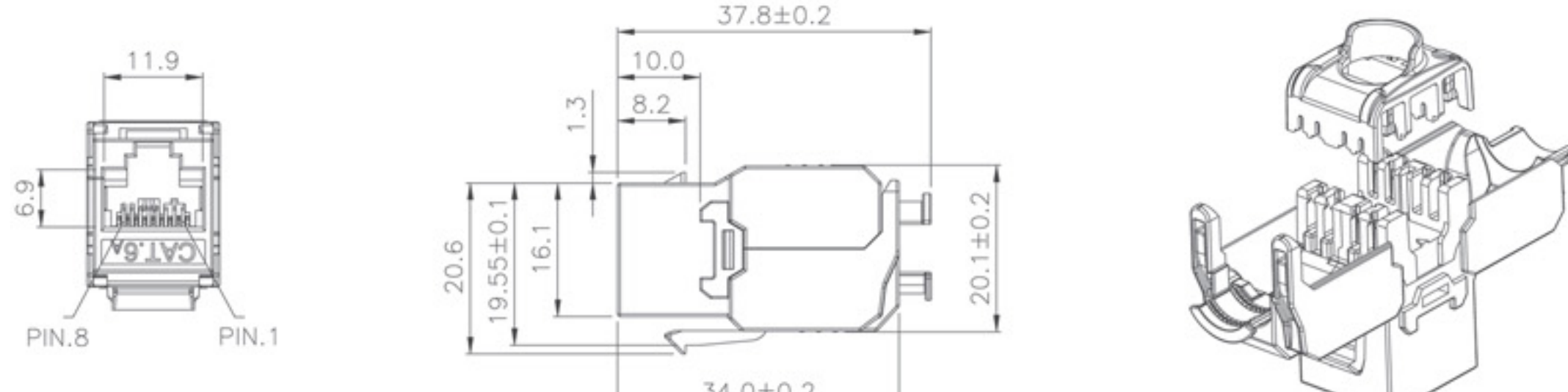
Features

- RJ45 8P8C 50U" jack.
- Terminating 4 pairs , 23~26 awg cable.
- Universal labels color-coded for T568A and T568B wiring schemes.
- Fitting 1u 24 port high-density keystone panel.
- 3P/ETL verified unshielded c6a eia/tia connecting hardware.

How to order

KJ28F-XX-FS (Full Shielded Keystone Jack)
 XX: Category - 6A = CAT.6A; C6 = CAT.6; CE = CAT.5E

Drawing



UNIT : mm

B4 - CAT.6A FTP Tool Free Keystone Jack

CAT.6A FTP 180° Tool Free Keystone Jack

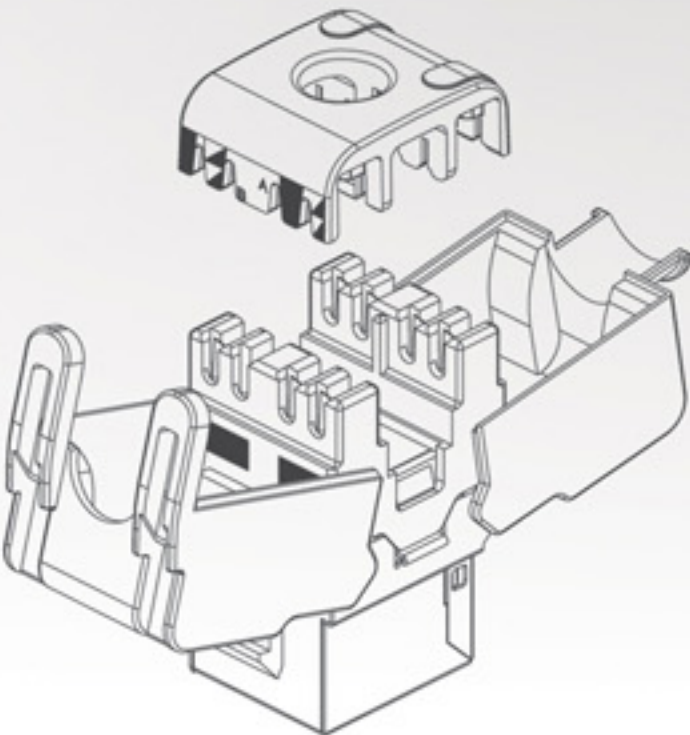
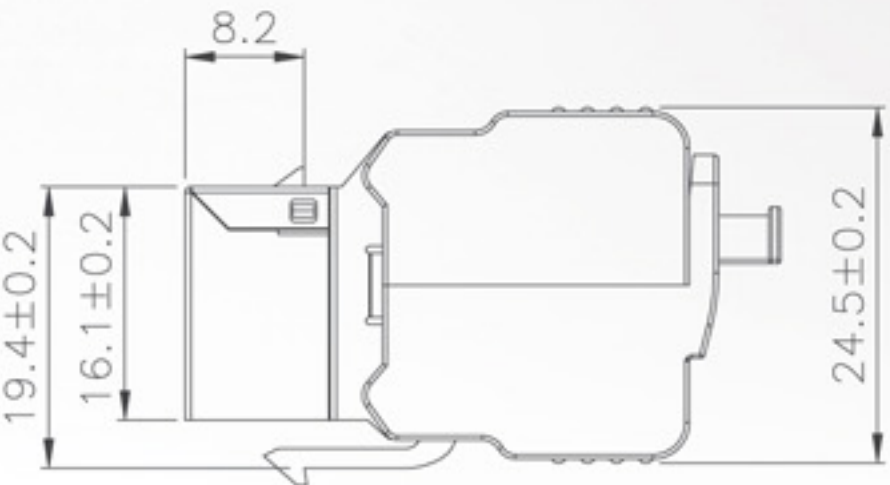
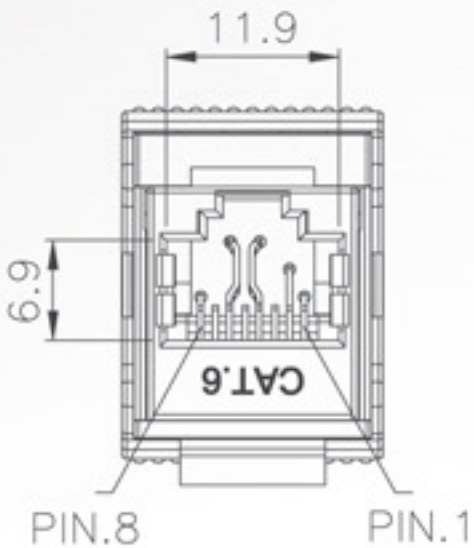
Features

- RJ45 8P 8C 50u" jack.
- Terminating 4 pairs, 23-24 AWG cable.
- Universal labels color-coded for T568A and T568B wiring schemes.
- Fitting 1U 24 port high-density Keystone panel.
- 3P verified unshielded C6 connecting hardware.

How to order

KJ18F-XX-FS (Full Shielded Keystone Jack)
XX: Category - 6A = CAT.6A; C6 = CAT.6; CE = CAT.5E

Drawing



UNIT : mm

CAT.6A Inline Coupler

- C1** CAT.6A Inline Coupler
- C2** CAT.6A Keystone Type Inline Coupler





CAT.6A Inline Coupler

Features

- Inline Coupler.
- Unshielded type or Full shielded type.
- 6A new arrival.

How to order

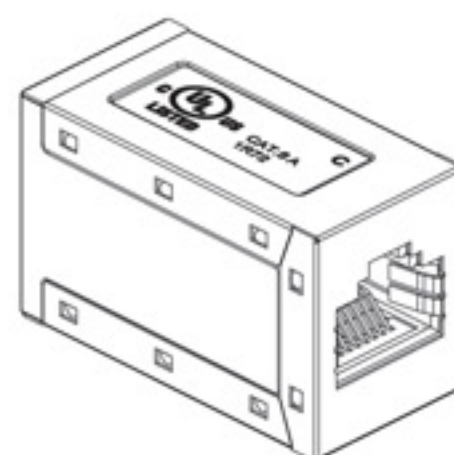
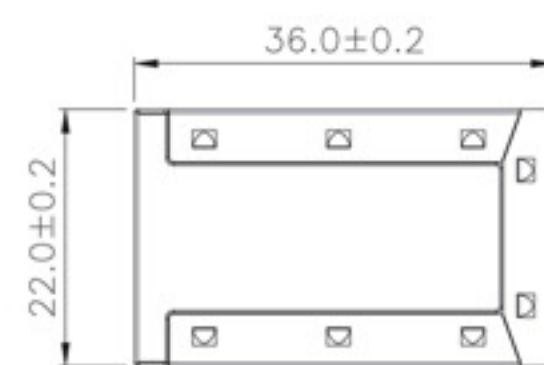
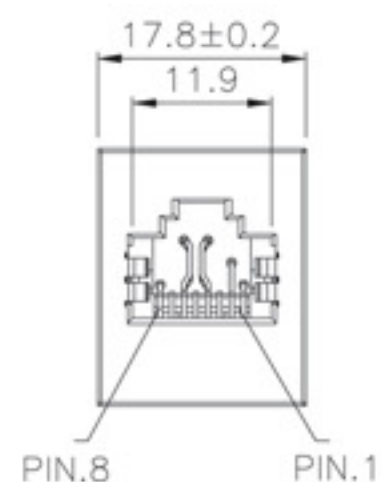
EC8412X-XX/XX

X: Screen Type - Blank = Unshielded; S = Full Shielded

XX: Category - 6A = CAT.6A (Only Full Shielded); C6 = CAT.6; CE = CAT.5E

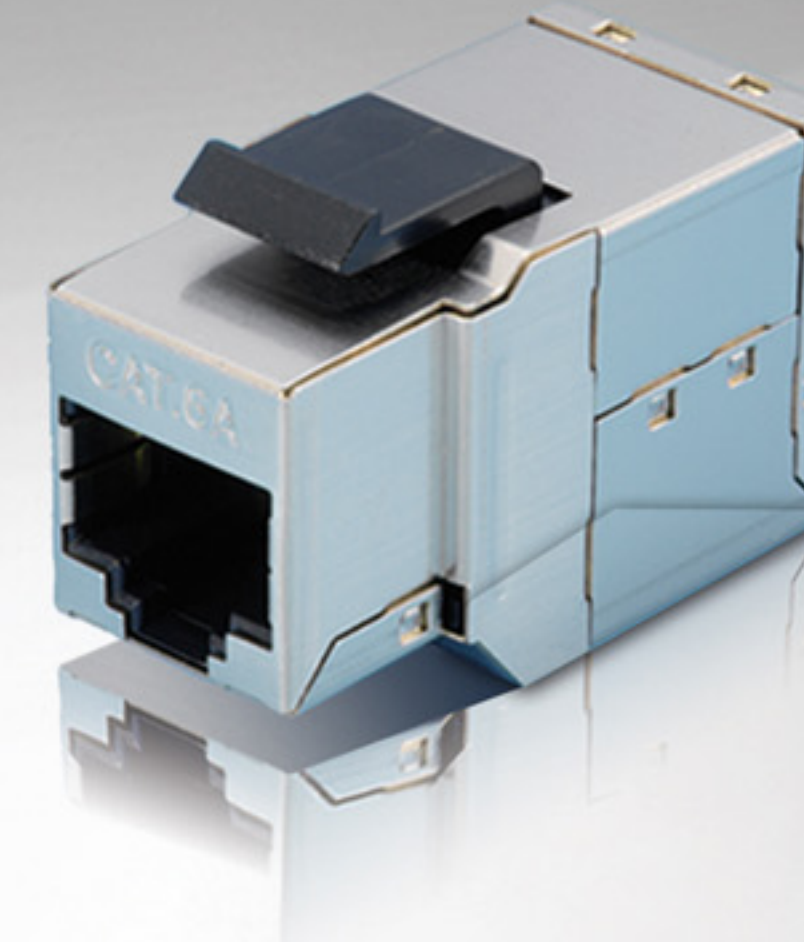
XX: Color - WH = White; BK = Black

Drawing



Unit : mm

C1 - CAT.6A Inline Coupler



CAT.6A Keystone Type Inline Coupler

Features

- Inline Coupler, keystone Type.
- Unshielded type or Full shielded type.
- 6A new arrival.

How to order

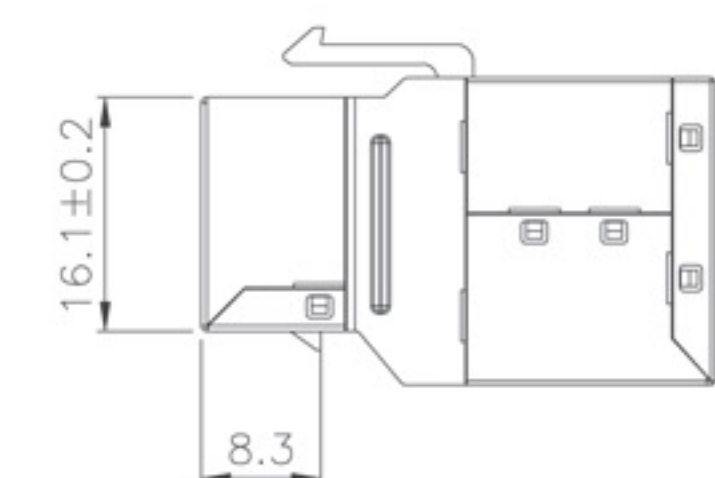
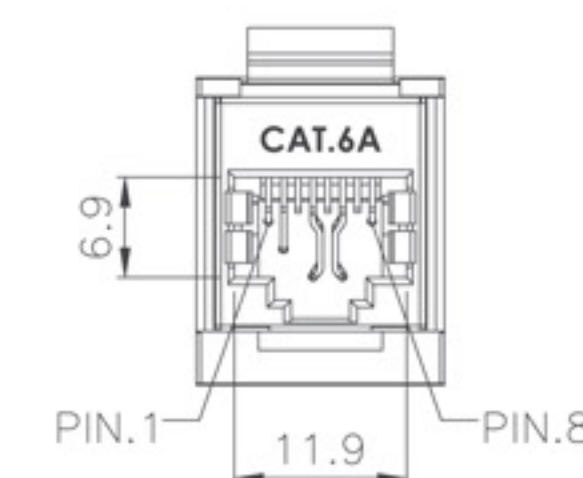
EC8402B X-XX/XX

X: Screen Type - Blank = Unshielded; S = Full Shielded

XX: Category - 6A = CAT.6A (Only Full Shielded); C6 = CAT.6; CE = CAT.5E

XX: Color - WH = White; BK = Black

Drawing



UNIT : mm

C2 - CAT.6A Keystone Type Inline Coupler

CAT.6A Work Area Outlet

- D1** CAT.6A 8 Port Surface Mounted Box
- D2** CAT.6A Surface Mounted Box
- D3** CAT.6A German Faceplate





CAT.6A 8 Port Surface Mounted Box

Features

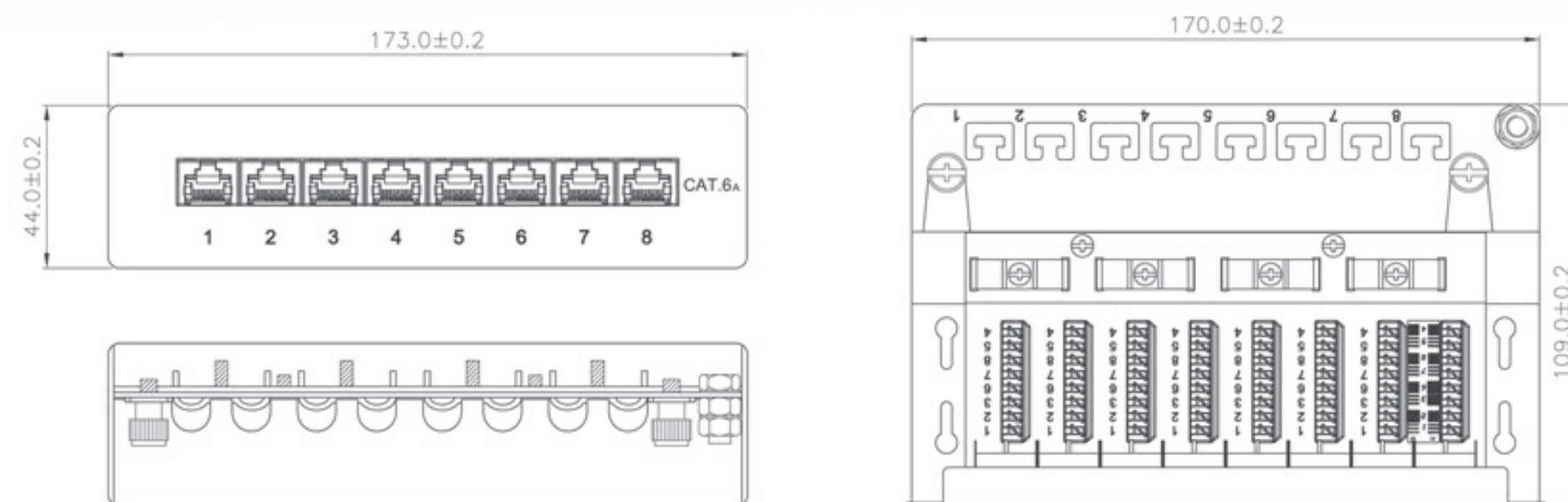
- 8 Ports Surface Mounted Box.
- C5E / C6 / C6A, Full Shielded, Black.

How to order

EC8312-FKR-XXC/BK (Full Shielded Type)

XX: Category – 6A = CAT.6A ; 6 = CAT.6 ; E = CAT.5E

Drawing



Unit : mm

D1 - CAT.6A 8 Port Surface Mounted Box



CAT.6A Surface Mounted Box

Features

- C5E / C6 / C6A, 2-port, Full Shielded, White.
- C5E / C6 / C6A, 1-port, Full Shielded, White.

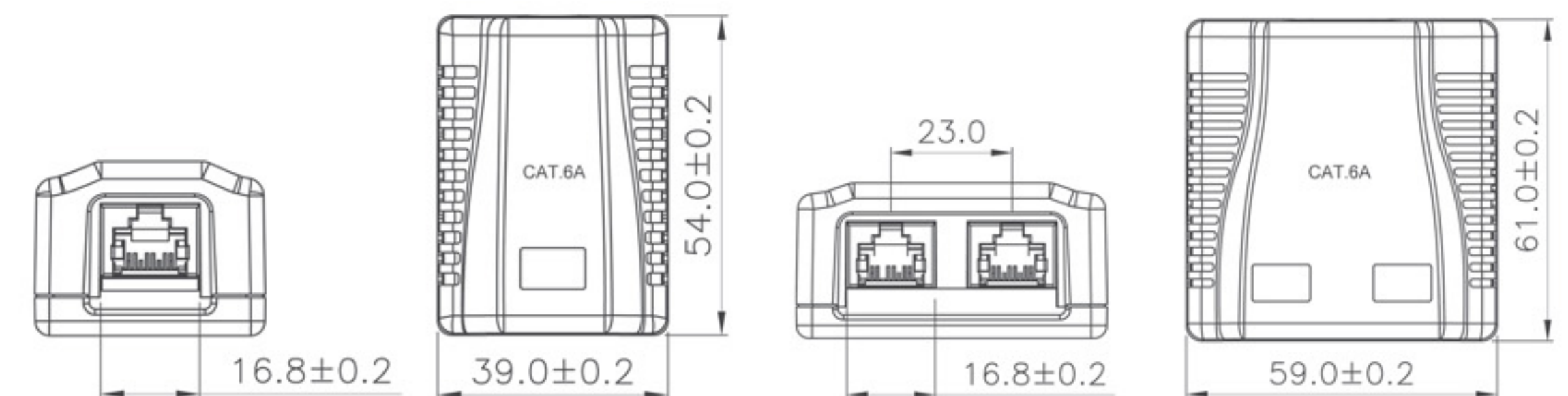
How to order

EC8315-FX-CX/WH

X: Port - D = Dual Type; M = Single Port (Mini Size)

XX: Category -6A= CAT.6A ; 6 = CAT.6 ; E = CAT.5E

Drawing



UNIT : mm

D2 - CAT.6A Surface Mounted Box





CAT.6A German Faceplate

Features

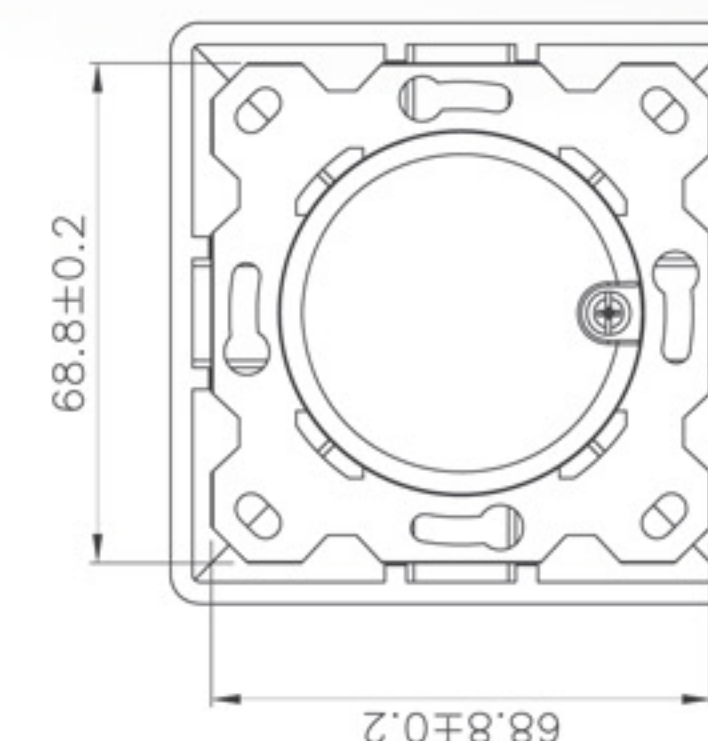
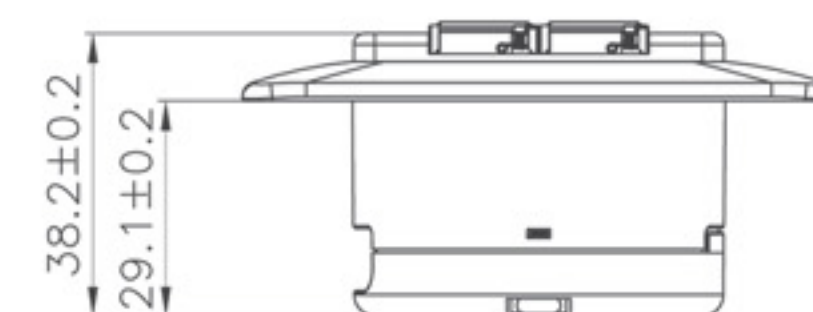
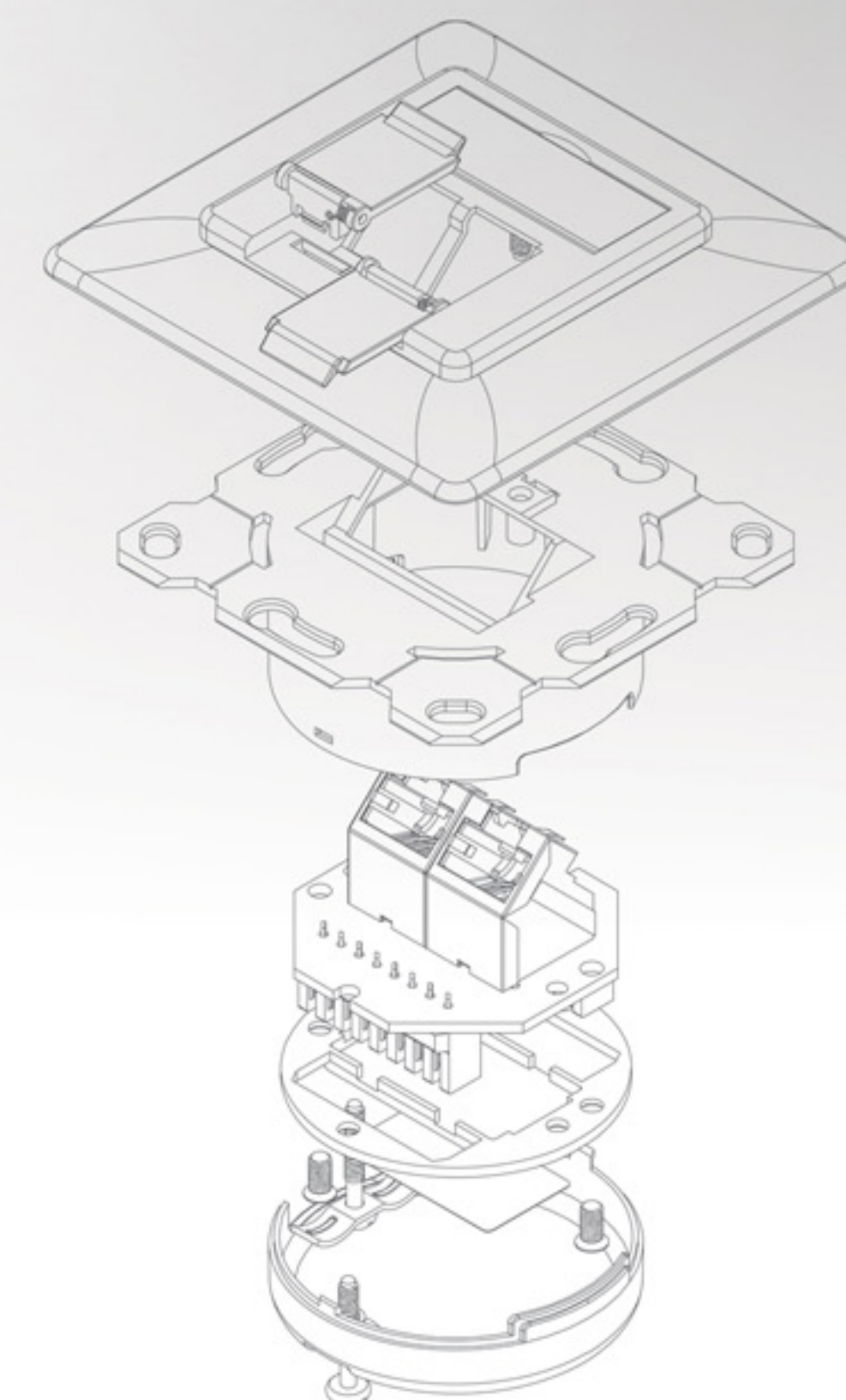
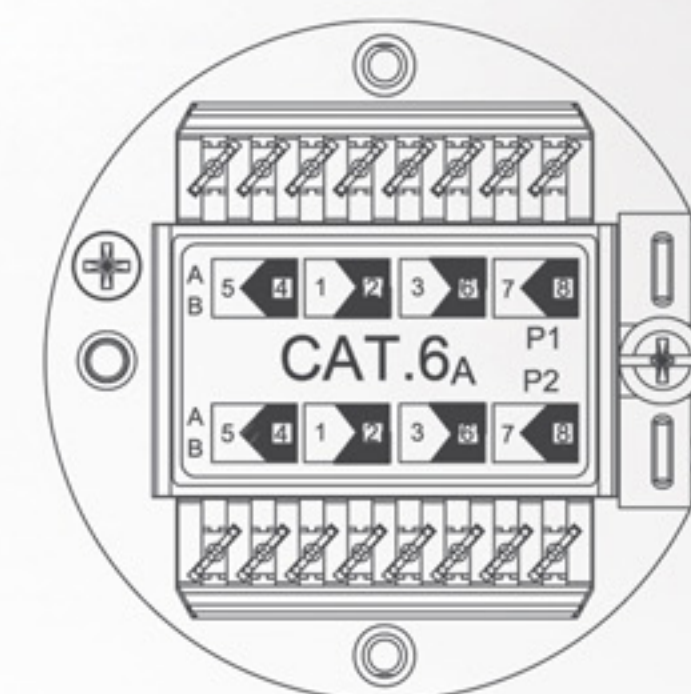
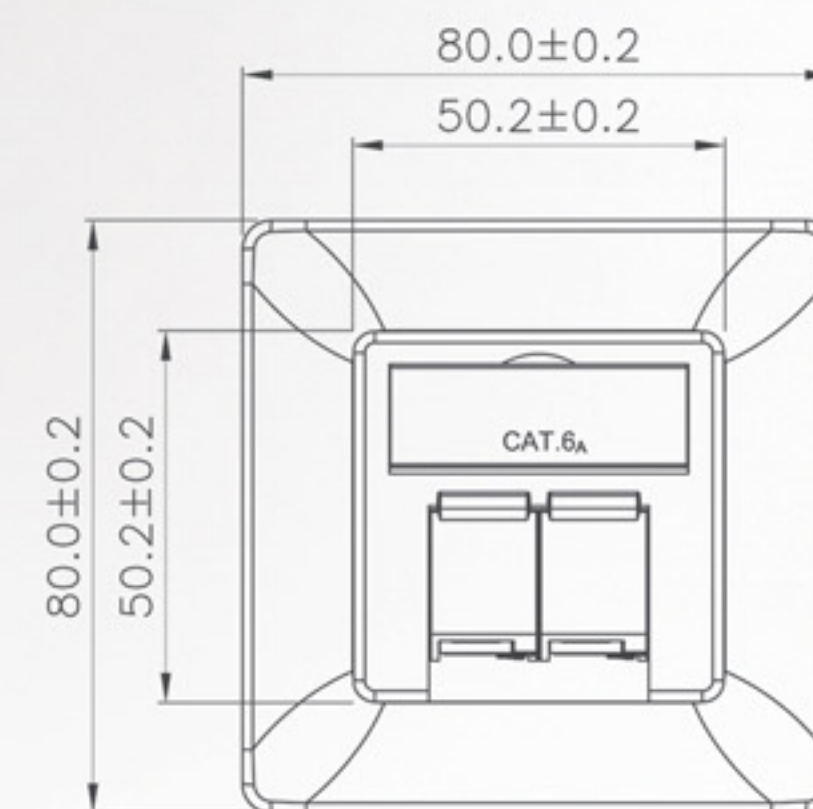
- German Faceplate
- C6A, 2-Port, Full Shielded, With Jack Shutter, White.

How to order

EC8305DA-FD-6A/WH

C6A, 2-Port, Full Shielded, With Jack Shutter, White.

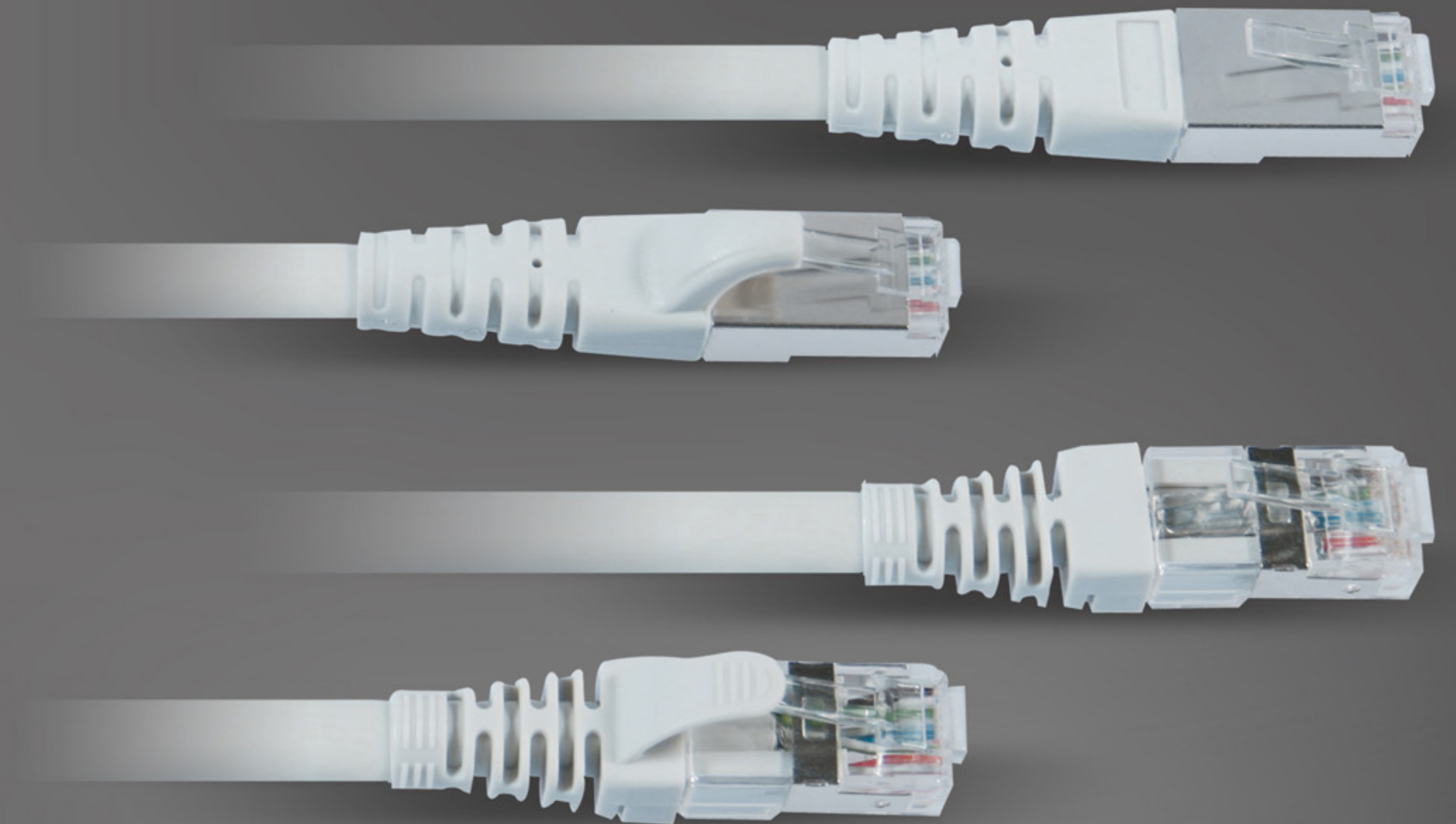
Drawing

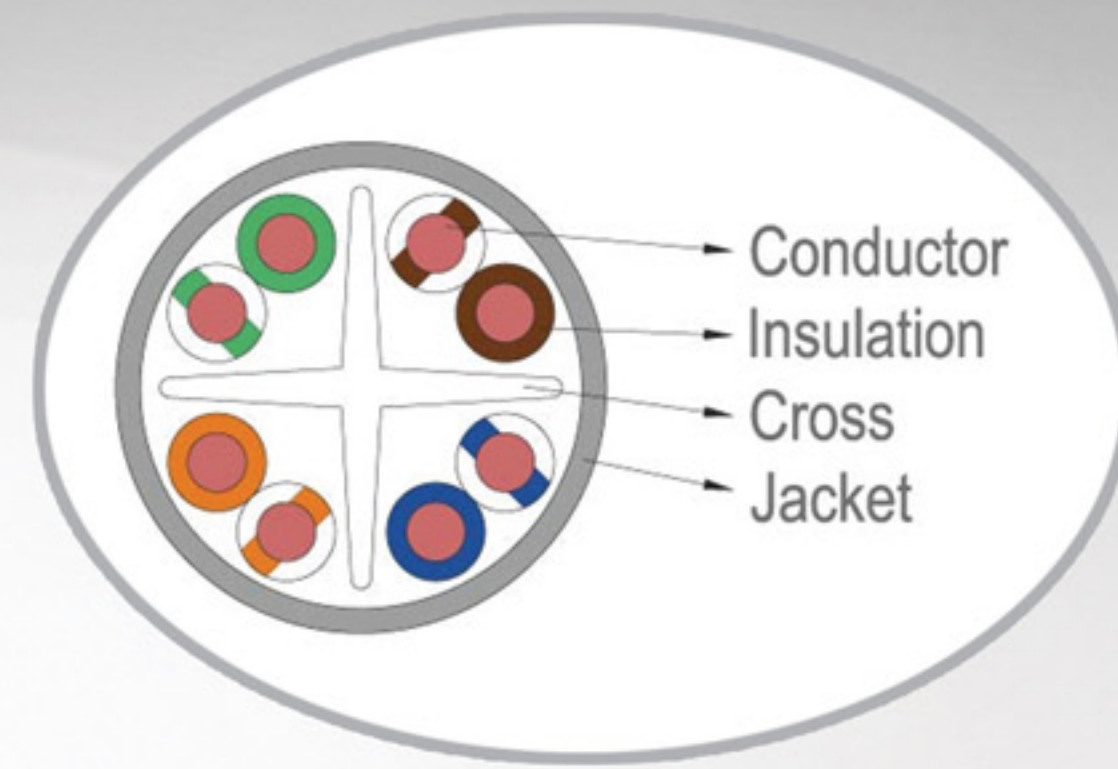


UNIT : mm

CAT.6A Bulk Cable & Patch Cord

- E1** CAT.6A U/UTP Solid Cable
- E2** CAT.6A U/FTP Solid Cable
- E3** CAT.6A F/UTP Solid Cable
- E4** CAT.6A S/FTP Solid Cable
- E5** CAT.6A U/UTP Patch Cable
- E6** CAT.6A U/UTP Stranded 24AWG Patch Cord
- E7** CAT.6A U/FTP Patch Cable
- E8** CAT.6A U/FTP Stranded 26AWG Patch Cord
- E9** CAT.6A S/FTP Patch Cable
- E10** CAT.6A S/FTP Stranded 26AWG Patch Cord





CAT.6A U/UTP Solid Cable

Structure

- 23 AWG solid copper conductor
- PE insulation
- PE centarl cross
- FR PVC/PE/LSOH ROHS jacket

Standards

- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-5
- EN 50288-10-1
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1

How to order

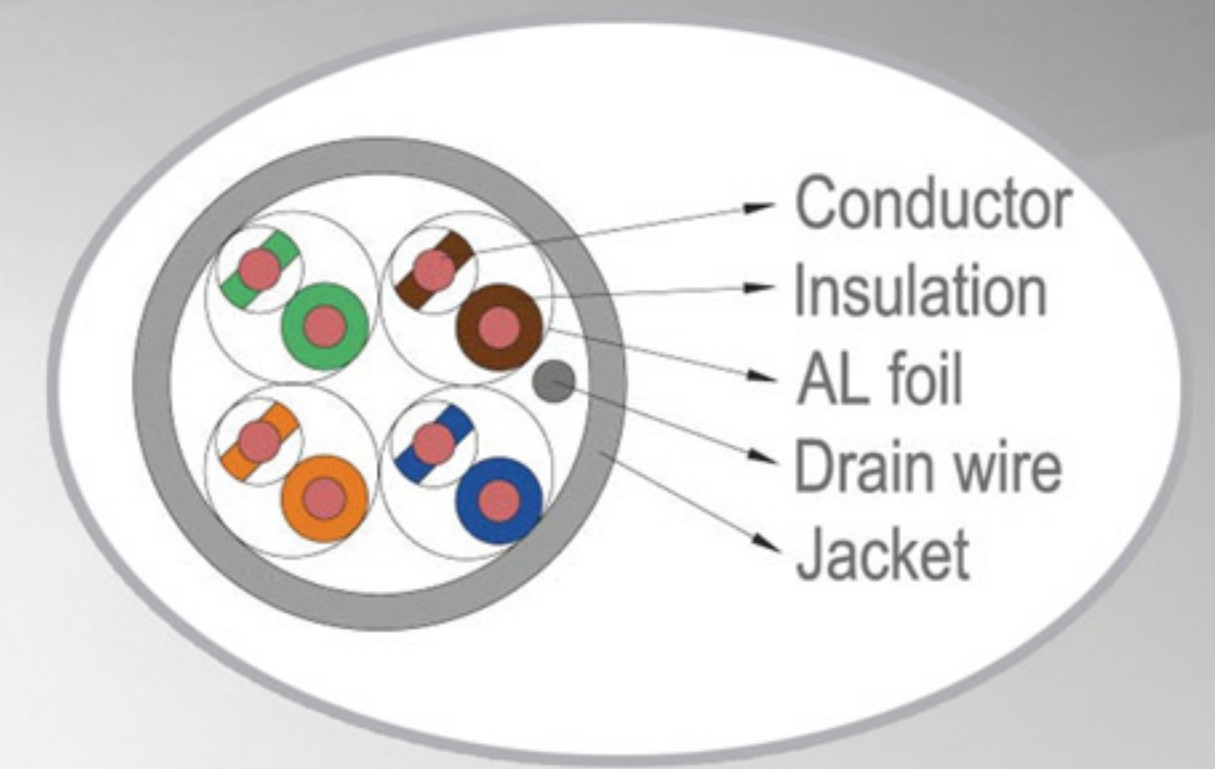
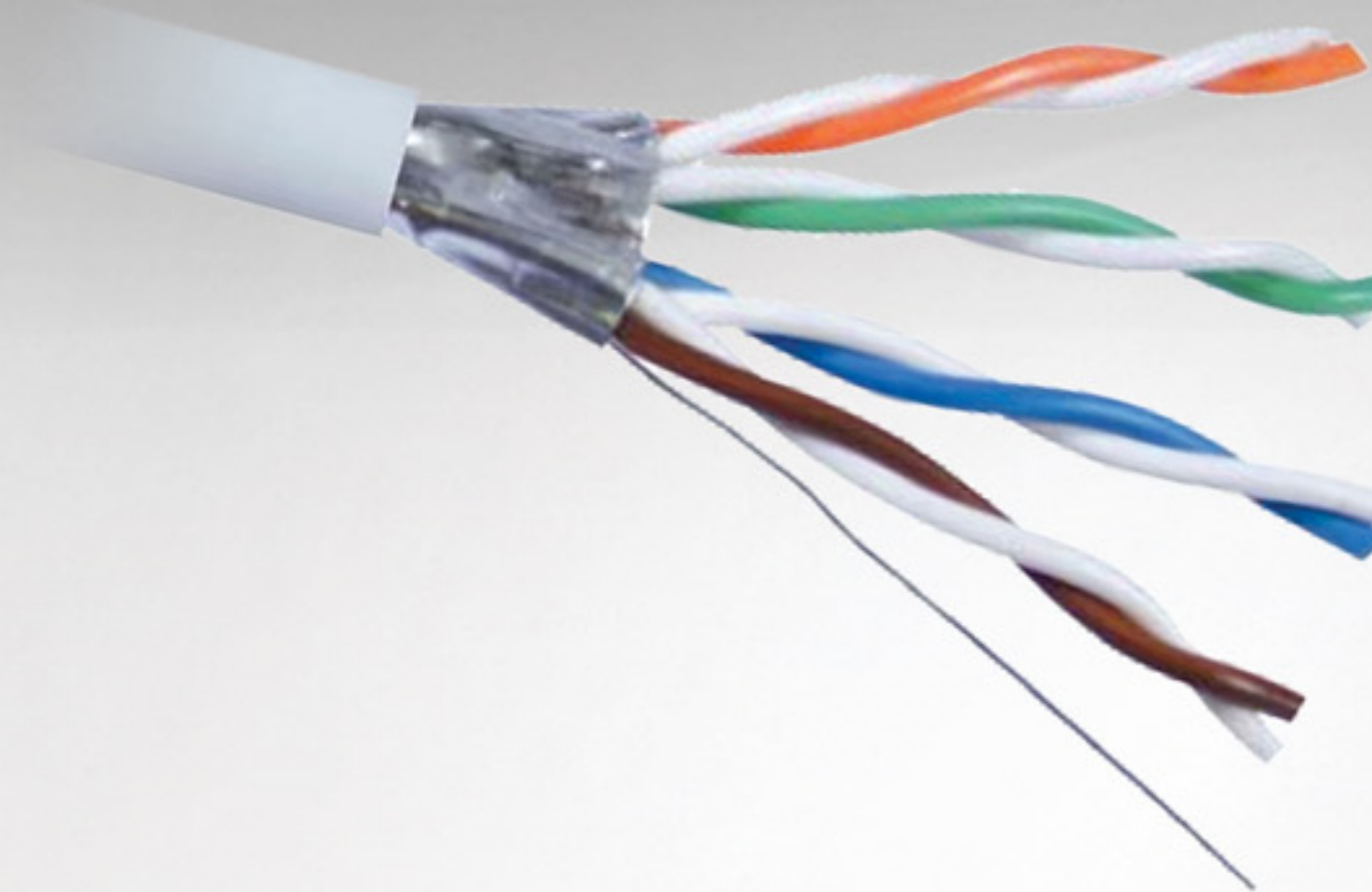
UURO36AX-XX-X/X

X: Cable Jacket – L= LSZH Jacket ; Blank = PVC Jacket

XX: Color – GY ; BL ; BK ; YL ; GN ; RD ; WH

X: Length – K' = 1000FT (305M) / 100M ; 500M

X: Package – E = PE Roll ; B = Easy Box ; W= Wooden Reel



CAT.6A U/FTP Solid Cable

Structure

- 23 AWG solid copper conductor
- Foam/Skin PE insulation
- Aluminum foil around each pair & drain wire
- FR PVC/PE/LSZH jacket

Standards

- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-5
- EN 50288-4-1
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1

How to order

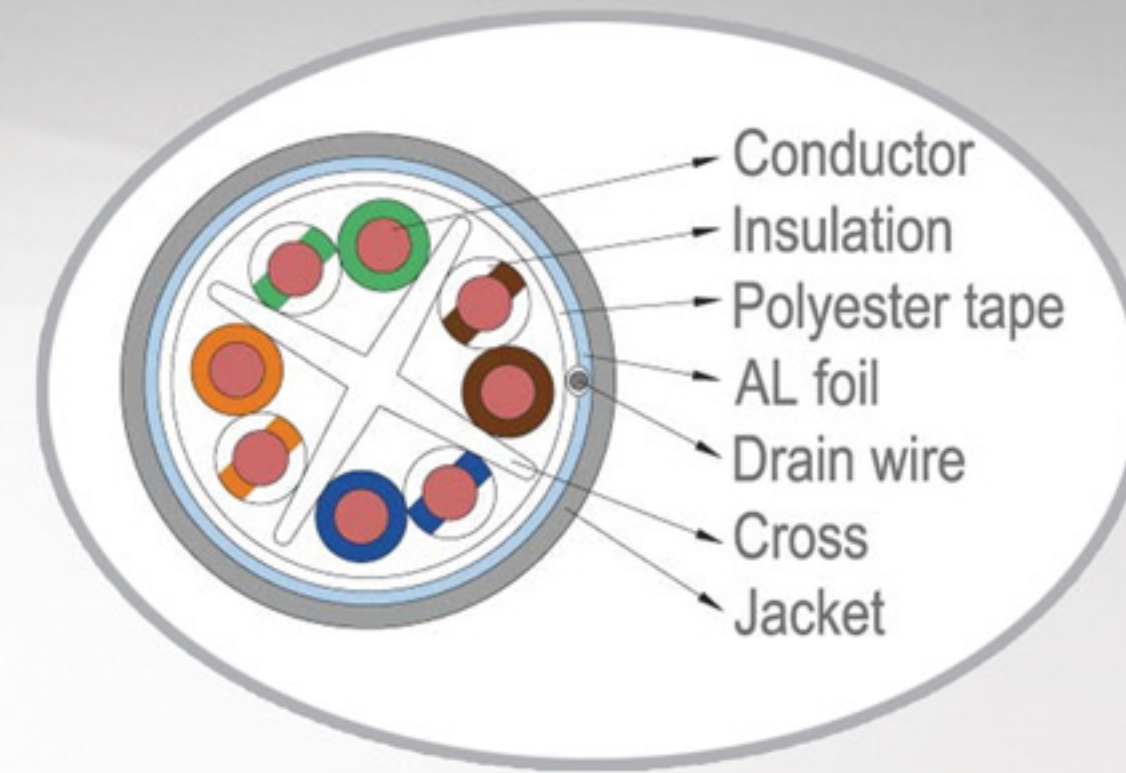
USRO36AX-XX-X/X

X: Cable Jacket – L= LSZH Jacket ; Blank = PVC Jacket

XX: Color – GY ; BL ; BK ; YL ; GN ; RD ; WH

X: Length – K' = 1000FT (305M) / 100M ; 500M

X: Package – E = PE Roll ; B = Easy Box ; W= Wooden Reel



CAT.6A F/UTP Solid Cable

Structure

- 23 AWG solid copper conductor
- PE insulation
- PE centarl cross
- Polyester tape around four pair
- Aluminum foil around four pair & drain wire
- FR PVC/PE/LSOH ROHS jacket

Standards

- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-5
- EN 50288-10-1
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1

How to order

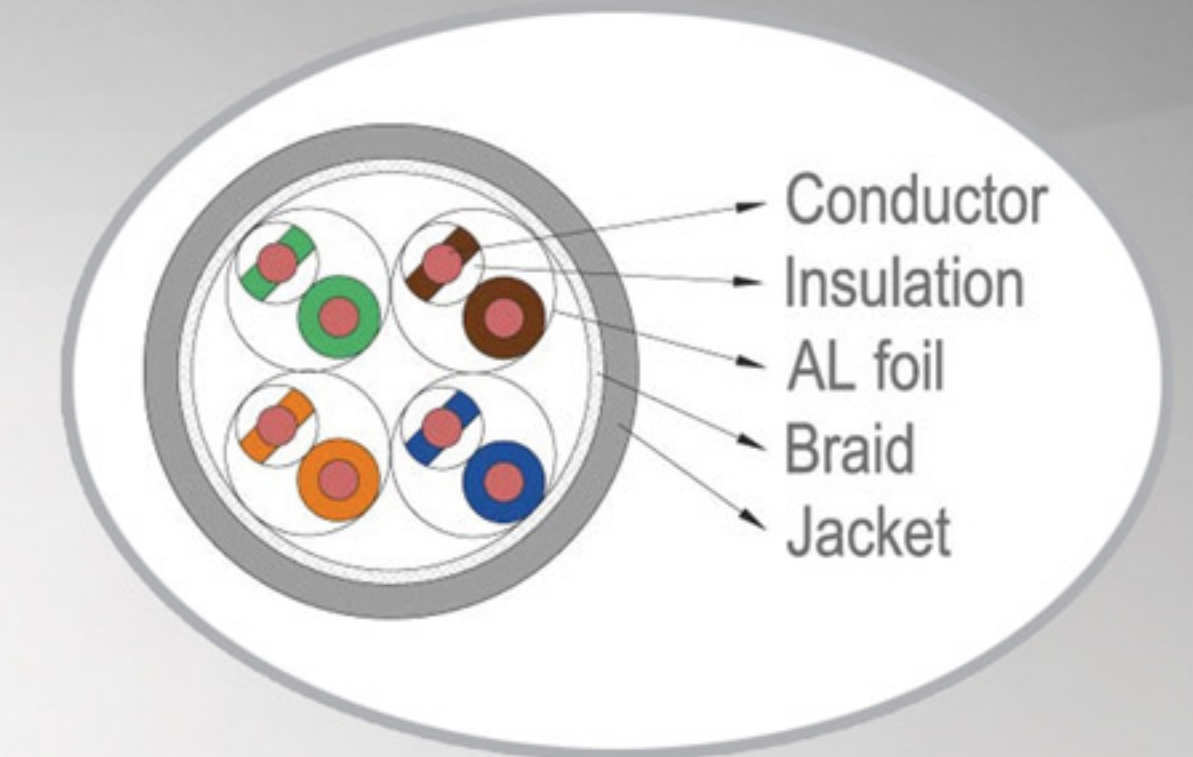
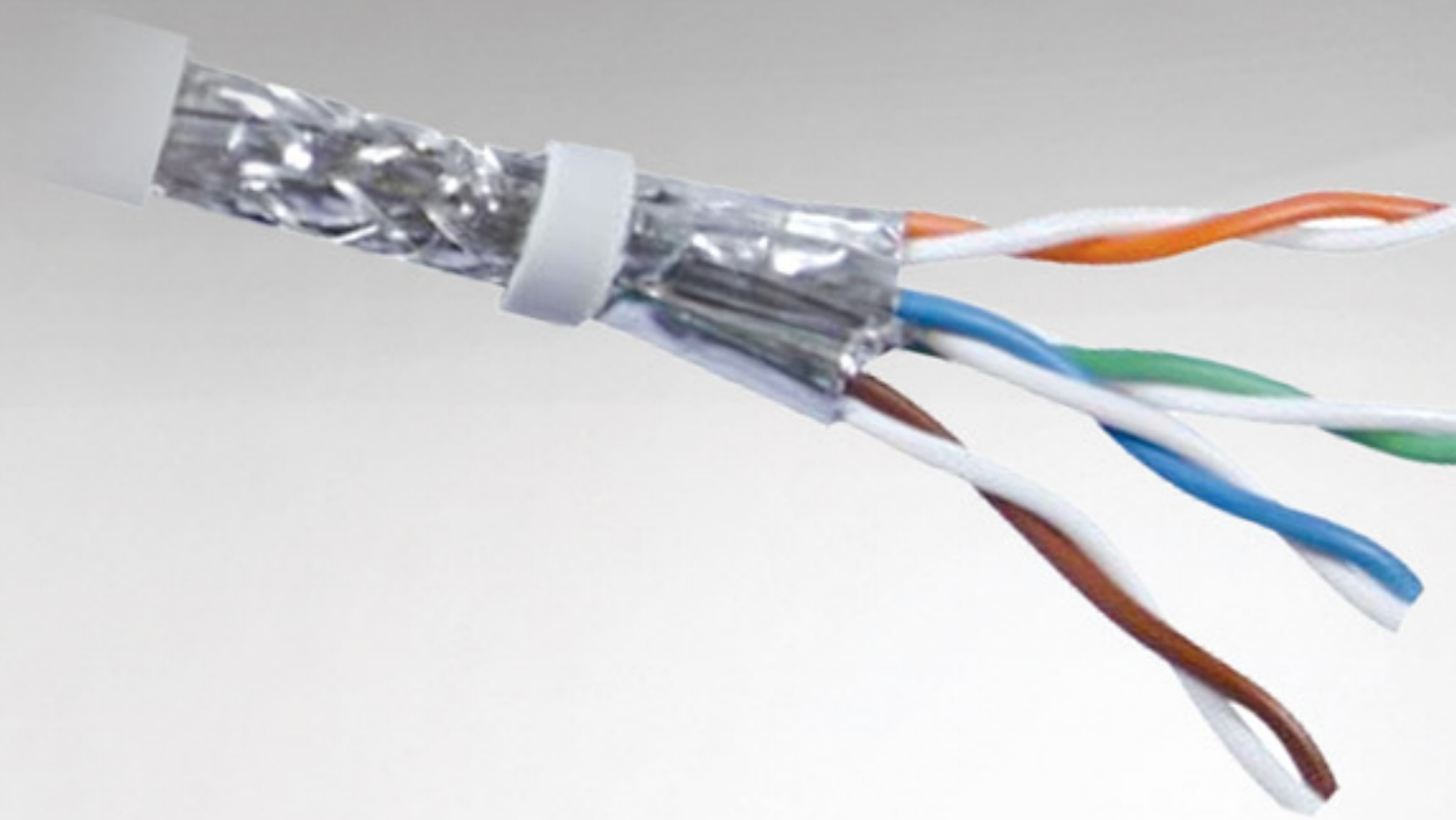
SURO36AX-XX-X/X

X: Cable Jacket – L= LSZH Jacket ; Blank = PVC Jacket

XX: Color – GY ; BL ; BK ; YL ; GN ; RD ; WH

X: Length – K' = 1000FT (305M) / 100M ; 500M

X: Package – E = PE Roll ; B = Easy Box ; W= Wooden Reel



CAT.6A S/FTP Solid Cable

Structure

- 23 AWG solid copper conductor
- Foam/Skin PE insulation
- Aluminum foil around each pair
- Braid around four pairs
- FR PVC/PE/LSZH jacket

Standards

- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-5
- EN 50288-10-1
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1

How to order

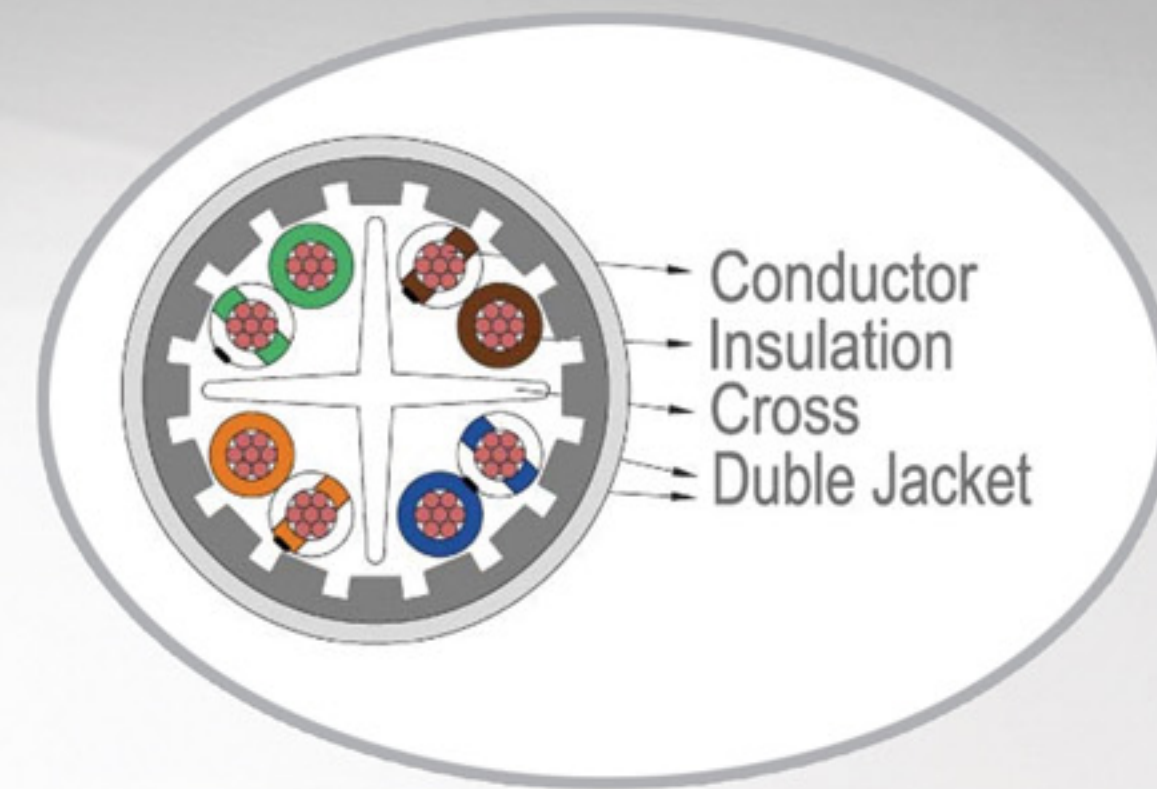
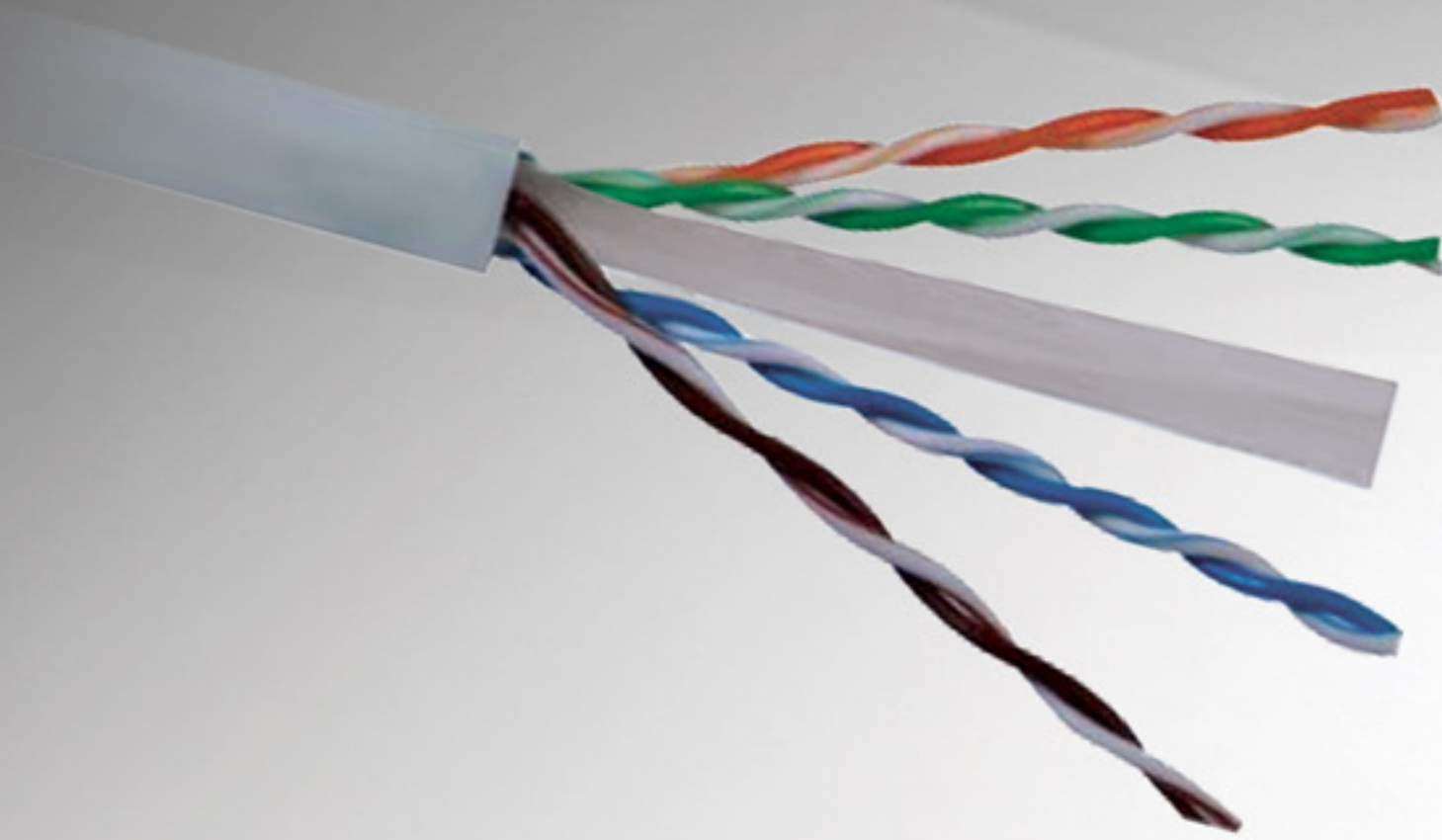
SSO36AX-XX-X/X

X: Cable Jacket – L= LSZH Jacket ; Blank = PVC Jacket

XX: Color – GY ; BL ; BK ; YL ; GN ; RD ; WH

X: Length – K' = 1000FT (305M) / 100M ; 500M

X: Package – E = PE Roll ; B = Easy Box ; W= Wooden Reel



CAT.6A U/UTP Patch Cable

Structure

- 26 AWG stranded copper conductor
- PE insulation
- Aluminum foil around each pair & drain wire
- FR PVC/PE/LSZH jacket

Standards

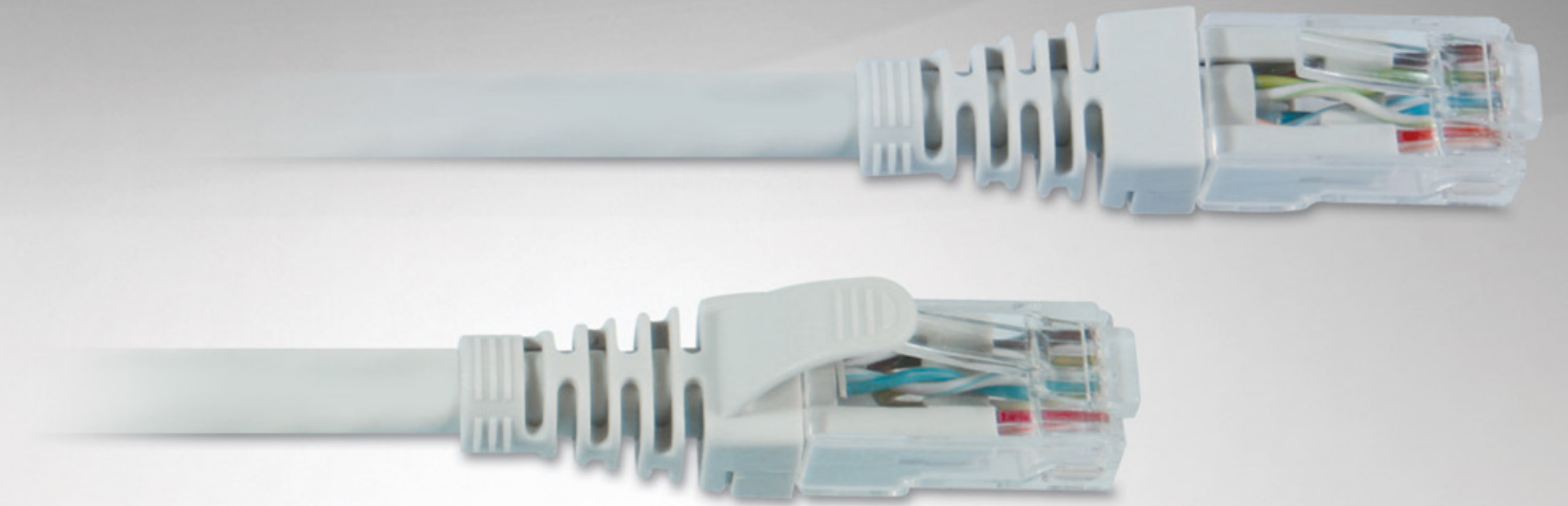
- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-5
- EN 50288-10-2
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1



CAT.6A U/UTP Stranded 24AWG Patch Cord

How to order

UUTP46AX-C4PX-XX/XXX

X: Cable Jacket - L = LSZH Jacket ; Blank = PVC Jacket

X: Latch Protector - L = With Latch ; Blank = W/O Latch

XX: Length - 01M.... / 1FT....

X: Wiring - A=T568A ; Blank = T568B ; C= T568A TO T568B

XX: Color - GY; BL; BK; YL; GN; RD; WH



CAT.6A U/FTP Patch Cable

Structure

- 26 AWG stranded copper conductor
- PE insulation
- Aluminum foil around each pair & drain wire
- FR PVC/PE/LSZH jacket

Standards

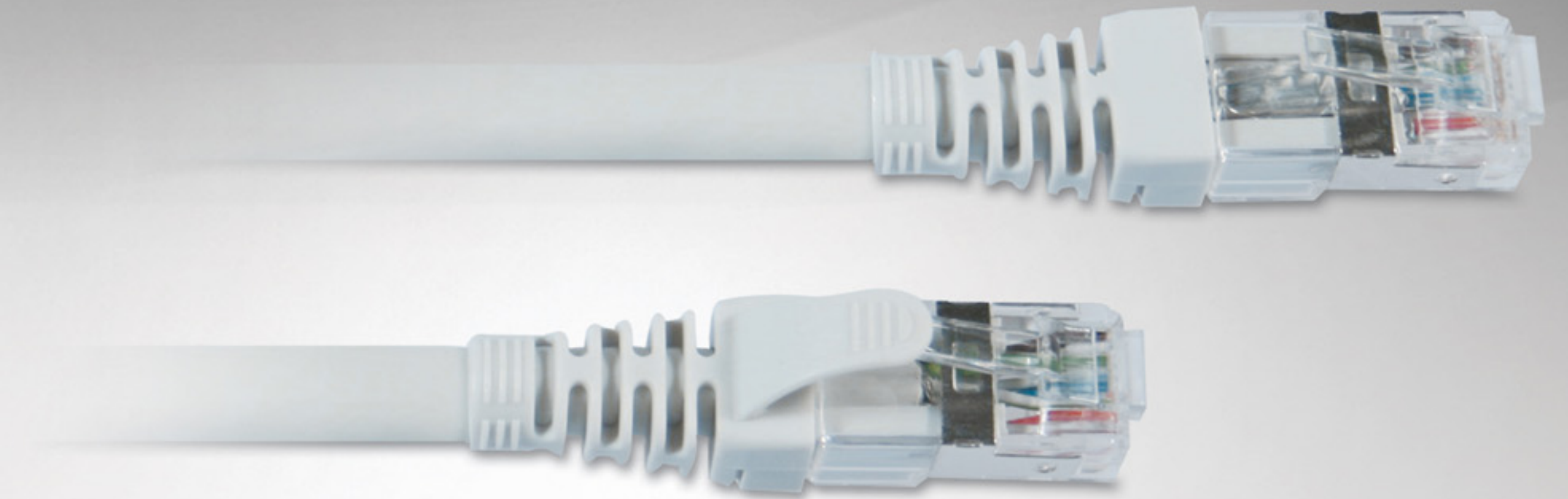
- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-6
- EN 50288-4-1
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1



CAT.6A U/FTP Stranded 26AWG Patch Cord

How to order

UFTP66AX-C4PX-XX/XXX

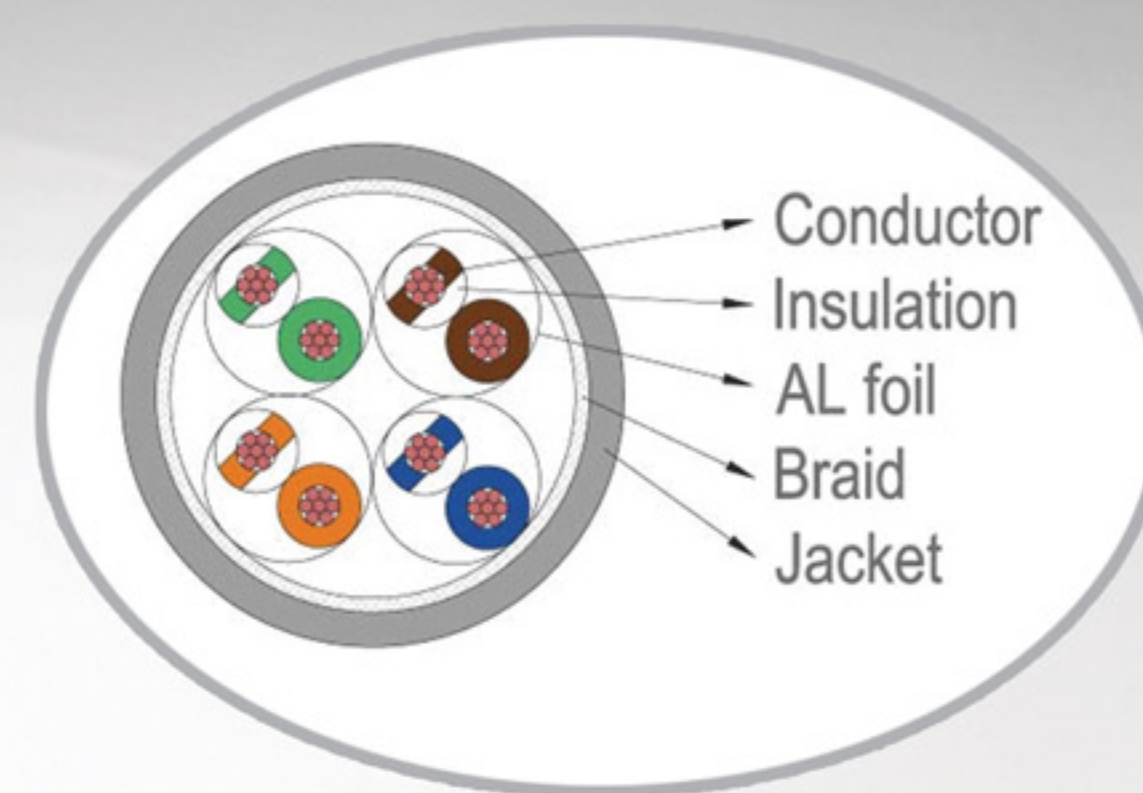
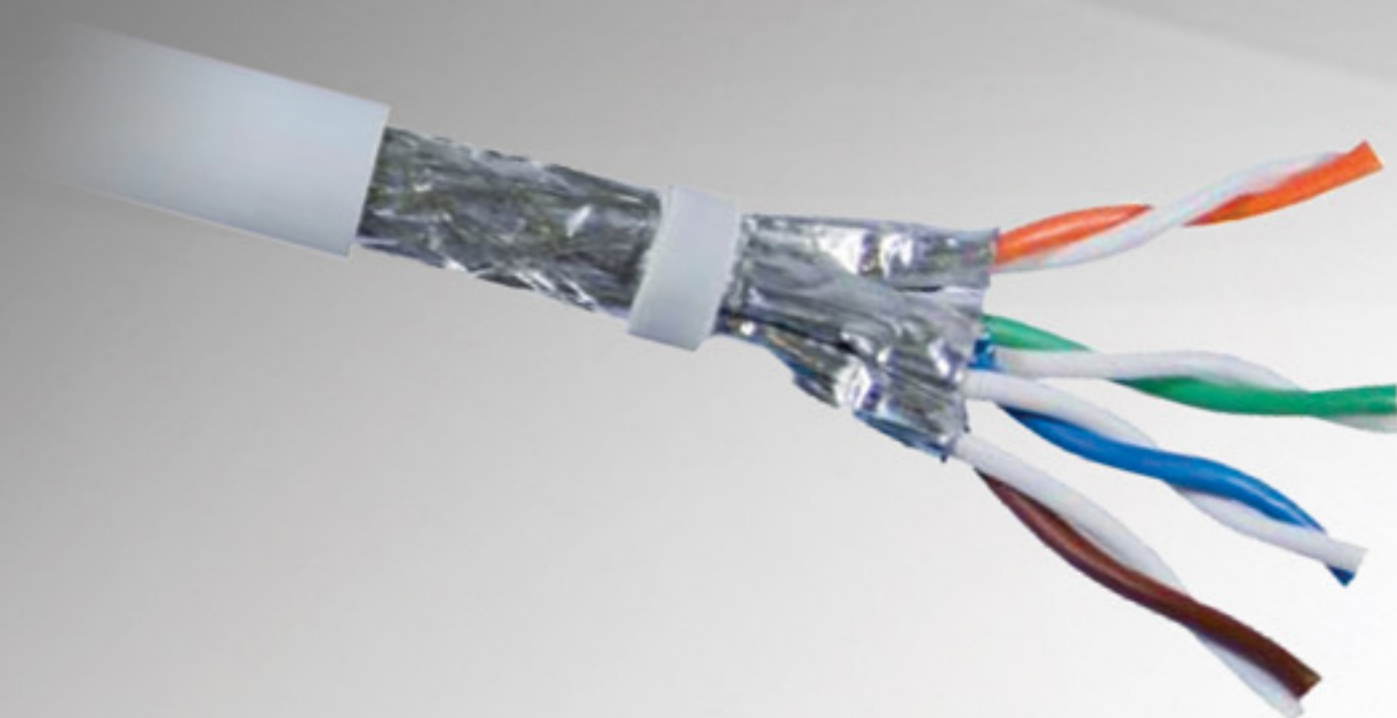
X: Cable Jacket - L = LSZH Jacket ; Blank = PVC Jacket

X: Latch Protector - L = With Latch ; Blank = W/O Latch

XX: Length - 01M.... / 1FT....

X: Wiring - A=T568A ; Blank = T568B ; C= T568A TO T568B

XX: Color - GY; BL; BK; YL; GN; RD; WH



CAT.6A S/FTP Patch Cable

Structure

- 26 AWG stranded copper conductor
- PE insulation
- Aluminum foil around each pair & drain wire
- Braid around four pairs
- FR PVC/PE/LSZH jacket

Standards

- ANSI/TIA 568C.2(500 MHz)
- ISO/IEC 61156-6
- EN 50288-4-2
- ISO/IEC 11801
- EN 50173

Applications

- 10GBase-T (IEEE 802.3an)
- 1000Base-TX (TIA/EIA-854)
- 1000Base-T (IEEE 802.3ab)
- 100Base-TX (IEEE 802.3u)
- 10Base-T (IEEE 802.3)

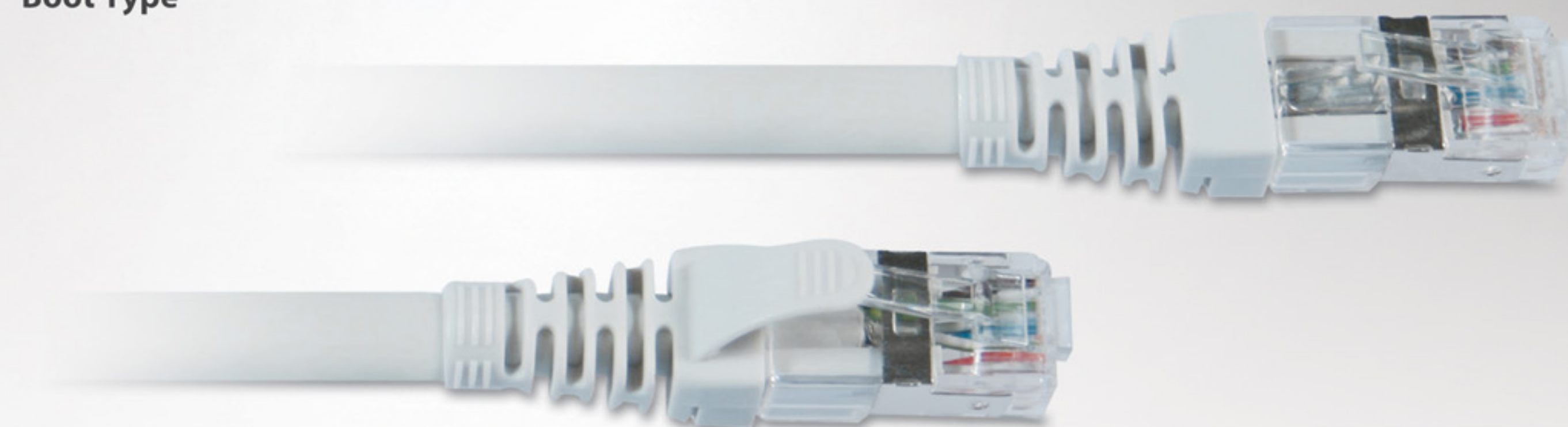
Flame Rating

- UL 444, CMH, CMX
- CM, CMG, CMR
- ISO/IEC 60332-1

Molded Type (Channel)



Boot Type



CAT.6A S/FTP Stranded 26AWG Patch Cord

How to order

SFTP46AX-X4PX-XX/XXX

X: Cable Jacket - L = LSZH Jacket ; Blank = PVC Jacket

X: Assembly - M = Molding Type ; C = Boot Type

X: Latch Protector - L = With Latch ; Blank = W/O Latch

XX: Length - 01M.... / 1FT....

X: Wiring - A=T568A ; Blank = T568B ; C= T568A TO T568B

XX: Color - GY; BL; BK; YL; GN; RD; WH

CAT.6A

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