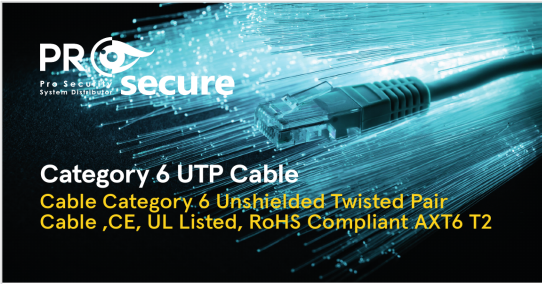




# AXT6 T2

## Features and Benefits



### Introduction

Established in 2015, PROSECURE is a leading provider of fiber optic communications products used in data communications and communications networks. The company designs, develops, manufactures and sells fiber optic cabling, connectivity, management and systems solutions. It offers a wide range of products directly and through distributors, installers. PROSECURE's growth is based on high quality products, quick response and excellent customer service. The company is ISO9001:2000 certified and provides products conforming to international standards. PROSECURE is dedicated to evaluating and continually improving all of its products and services. PROSECURE is headquartered in the United Arab Emirates, and has operations in Lebanon. The company has high-volume, responsive manufacturing capabilities and is able to support the global logistics requirements of its customers.

### Features and Benefits

- **Certification ETL**  
Verified for performance as per ANSI/TIA-568-B and ISO/IEC 11801 standards
- **Reliable Performance**  
Channel performance in a 4-conductor configuration up to 100 meters and meets ANSI/TIA-568-B Category 6 and ISO 11801 Class E standards at swept frequencies up to 250MHz
- **Higher Bandwidth**  
100 Ohm 4-pair construction with center spacer provides the extra margin of performance required for high band width applications
- **Performance Warranty**  
Qualifies for the PROSECURE 25 Years System Performance Link Warranty

PROSECURE Category 6 cable is backwards compatible and provides flexibility to protect network investments well into the future. It's certified to the ANSI/TIA-568-B Category 6 and ISO 11801 Class E standards and supports applications such as Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet) as specified in 100BASE-T standards), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM and Token Ring 4/76. Collectively with other PROSECURE's Category 6 products, Cat.6 UTP Cable is the right solution for voice, data and video transmission needs. The Category 6 UTP Cable is offered in GMR and LSZH jackets in 1640 ft (500 m) reels to accommodate various installation requirements.

PROSECURE-FZCO 01 2024 1 V. 001

### Key Features

- Category 6 UTP Cable
- Cable Category 6 Unshielded Twisted Pair
- Features and Benefits
- Established in 2015, PROSECURE is a leading provider of fiber
- optic communications products used in data communications
- and communications networks. The company designs,

Redesigned technical summary in Hikvision-style table layout. All original pages are appended after this branded section to preserve the exact original model numbers, specifications, diagrams, and descriptions.

## Technical Specifications

Category	Parameter	Value
General	Category	6 UTP Cable
	Cable	Category 6 Unshielded Twisted Pair
	Cable	,CE, UL Listed, RoHS Compliant AXT6 T2
Features and Benefits	Established	in 2015, PROSECURE is a leading provider of fiber
	optic	communications products used in data communications
	and	communications networks. The company designs, develops, manufactures and sells fib
	management and	systems solutions. It offers a wide range of
	products	directly and through distributors, installers. PROSECURE's
	growth	is based on high quality products, quick response and
	excellent	customer service. The company is ISO9001:2000 certified
	and	provides products conforming to international standards.
	PROSECURE	is dedicated to evaluating and continually improving
	all	of its products and services. PROSECURE is headquartered in the
United	Arab Emirates, and has operations in Lebanon. The company	
has	high-volume, responsive manufacturing capabilities and is able to	
support	the global logistics requirements of its customers.	
Certification ETL	Verified	for performance as per ANSI/TIA-568-B and ISO/IEC 11801

Category	Parameter	Value
<b>Reliable Performance</b>	Channel	performance in a 4-connector configuration up to 100
	meters	and meets ANSI/TIA-568-B Category 6 and ISO 11801 Class E
	standards	at swept frequencies up to 250MHz 100 Ohm 4-pair construction with center spacer pro
<b>Higher Bandwidth</b>	margin	of performance required for high band width applications
<b>Performance Warranty</b>	Qualifies	for the PROSECURE 25 Years System Performance Link
<b>PROSECURE Category</b>	6 cable is backwards	compatible and provides
	flexibility	to protect network
	investments	well into
	the	future. It is certified
	to the	ANSI/TIA-568-B
	Category	6 and ISO 11801
	Class E standards and	supports
<b>Ethernet as specified in</b>	as, Ethernet 10BASE-T,	100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit
	10GBASE-T standards), 155	Mb/s ATM, 622 Mb/s ATM,
	1.2 Gb/s ATM and Token	Ring 4/16. Collectively
	with	other PROSECURE's
	Category	6 products, Cat.6
	UTP	Cable is the right
	solution	for voice, data and
	video	transmission needs.
	The	Category 6 UTP Cable
	is offered	in CMX and LSOH
jackets	in 1640 ft (500 m)	
reels	to accommodate	
various installation	requirements.	

See appended original pages for the remaining specification detail, dimensional drawings, accessories, and diagrams.

## Category 6 UTP Cable

### Cable Category 6 Unshielded Twisted Pair Cable ,CE, UL Listed, RoHS Compliant AXT6 T2

#### ■ Introduction

Established in 2015, PROSECURE is a leading provider of fiber optic communications products used in data communications and communications networks. The company designs, develops, manufactures and sells fiber optic cabling, connectivity, management and systems solutions. It offers a wide range of products directly and through distributors, installers. PROSECURE's growth is based on high quality products, quick response and excellent customer service. The company is ISO9001:2000 certified and provides products conforming to international standards. PROSECURE is dedicated to evaluating and continually improving all of its products and services. PROSECURE is headquartered in the United Arab Emirates, and has operations in Lebanon. The company has high-volume, responsive manufacturing capabilities and is able to support the global logistics requirements of its customers.

#### ■ Features and Benefits

- **Certification ETL**

Verified for performance as per ANSI/TIA-568-B and ISO/IEC 11801 standards

- **Reliable Performance**

Channel performance in a 4-conductor configuration up to 100 meters and meets ANSI/TIA-568-B Category 6 and ISO 11801 Class E standards at swept frequencies up to 250MHz

- **Higher Bandwidth**

100 Ohm 4-pair construction with center spacer provides the extra margin of performance required for high band width applications

- **Performance Warranty**

Qualifies for the PROSECURE 25 Years System Performance Link Warranty

PROSECURE Category 6 cable is backwards compatible and provides flexibility to protect network investments well into the future. It is certified to the ANSI/TIA-568-B Category 6 and ISO 11801 Class E standards and supports applications such as, Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet as specified in 10GBASE-T standards), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM and Token Ring 4/16. Collectively with other PROSECURE's Category 6 products, Cat.6 UTP Cable is the right solution for voice, data and video transmission needs. The Category 6 UTP Cable is offered in CMX and LSOH jackets in 1640 ft (500 m) reels to accommodate various installation requirements.

Category 6 UTP Cable | AXT6 T2

# Specification

## Electrical Specifications

<b>DC Resistance</b>
<9.38Ω /100m
<b>DC Resistance Unbalance</b>
3%
<b>Mutual Capacitance</b>
5.6 nF/100m
<b>Capacitance Unbalance</b>
<330 pF/100m
<b>Characteristic Impedence</b>
1 – 100MHz: 100 Ω ± 15%; 1 – 350MHz: 100 Ω ± 18%; 1 – 500MHz: 100 Ω ± 25%,
<b>Insulation Resistance</b>
> 5000 MΩ x km
<b>Propagation Speed</b>
10MHz (NVP*c): 0,79c
<b>NVP Value</b>
70%
<b>Signal propagation Delay</b>
>10MHz: 4,2ns/m
<b>Delay Skew</b>
<25ns/100m

## Packing

Meter Marking: INFINIQUE CANADA CAT.6 UTP 4PR 23 AWG ETL VERIFIED TO ANSI/TIA-568-C.2, ISO/IEC 11801, UL LISTED + \*\*\*\*m +PRODUCTION DATE SN 500m (1640ft) packed in No-Snag Cable De-reeler Box with Plastic Reinforced Handle Grips

## Ordering Information

Part Number	Description
PRC6U4GYR	Category 6 UTP Cable, 23 AWG Cable, CMR Jacket, ETL Verified, Gray
PRC6U4GYRL	Category 6 UTP Cable, 23 AWG Cable, LSOH Jacket, ETL Verified, Gray
PRC6U4BKO	Category 6 UTP Cable, 23 AWG Cable, Outdoor, PE Jacket, ETL Verified, Black

## Material Specifications

<b>Conductor</b>
Solid Bare Copper 23 AWG, Ø 0.57mm
<b>Insulation</b>
Material: Halogen Free Foam/Skin HD-PE   Ø (mm): 1.35±0.005mm; Thickness: Avg: 0.3875mm   Min:
<b>Cabling</b>
0.385mm Four Unshielded Twisted Pairs
<b>Pairing</b>
1 – Blue/White-Blue; 2 – Orange/White-Orange; 3 – Green/White-Green; 4 – Brown/White-Brown
<b>Spacer</b>
PE (Polyethylene)
<b>Rip Cord</b>
Nylon Thread
<b>Outer Jacket</b>
Flame Retardant CMX Cable Jacket; Diameter: 7.1 ± 0.2mm   Thickness: Avg-0.65mm, Min- 0.55mm
<b>Fire Protection</b>
CMX, Safety Standard: UL 1581 VW-1   Outdoor: PE Jacket
<b>Pulling Tension Max</b>
110N (25lbf)
<b>Bend Radius</b>
One Time: 4 x O.D. Installation: 8 x O.D.
<b>Operating Temperature</b>
-20°C to 60°C
<b>Storage Temperature</b>
-20°C to 75°C
<b>Installation Temperature</b>
0°C to 60°C

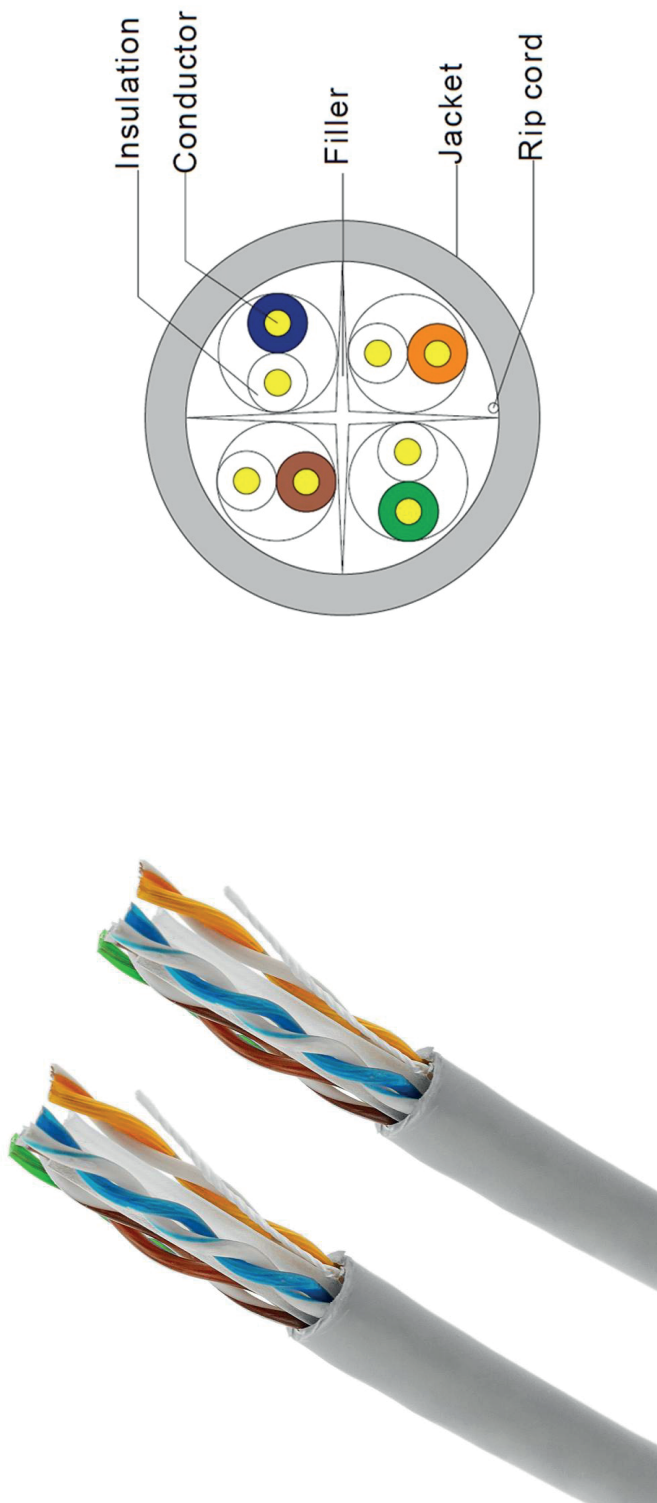
## Standards

**ETL Verified for performance as per ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E Channel standards.**  
 EN 50173 MICE Environmental Requirements.  
**Flame Retardant as per IEC 60332-1 and EN 50266-2-1**  
 Non Corrosive as per IEC 60754-2 and EN 50267  
**Low Smoke Emission as per IEC 61034 and EN 50268**



# Cable Construction

Category 6 UTP Cable | AXT6 T2



## Category 6 UTP Cable

### Cable Category 6 Unshielded Twisted Pair 23AWG/BC LSZH JACKET CABLE CAA-00076

#### ■ Introduction

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#### ■ Features and Benefits

- **Complies with Category 6, UL444 ANSI/TIA/EIA 568D & ISO/IEC 11801 EN50173 Standard**
- **Supports transmission of digital and analogue voice, data and video signal**
- **Products adopt Flame retardant LSZH Jacket**
- **The cable sheath is UV rated and waterproof**
- **The cable PASS FLUKE test**
- **Rated Temperature: -20° to +70°**

PROSECURE Category 6 cable is backwards compatible and provides flexibility to protect network investments well into the future. It is certified to the ANSI/TIA-568-B Category 6 and ISO 11801 Class E standards and supports applications such as, Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet as specified in 10GBASE-T standards), 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM and Token Ring 4/16. Collectively with other PROSECURE's Category 6 products, Cat.6 UTP Cable is the right solution for voice, data and video transmission needs. The Category 6 UTP Cable is offered in CMX and LSOH jackets in 1640 ft (305m) reels to accommodate various installation requirements.

Category 6 UTP Cable | CAA-0076

# Specification

## Electrical Characteristics

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ACR-F	PS ACR-F
MHz	dB	dB	dB	dB	dB	dB
1	19.0	2.1	65.0	62.0	63.3	60.3
4	19.0	4.0	63.0	60.5	51.2	48.2
8	19.0	5.7	58.2	55.6	45.2	42.2
10	19.0	6.3	56.6	54.0	43.3	40.3
16	18.0	8.0	53.2	50.6	39.2	36.2
20	17.5	9.0	51.6	49.0	37.2	34.2
25	17.0	10.1	50.0	47.3	35.3	32.3
31.25	16.5	11.4	48.4	45.7	33.4	30.4
62.5	14.0	16.5	43.4	40.6	27.3	24.3
100	12.0	21.3	39.9	37.1	23.3	20.3
200	9.0	31.5	34.8	31.9	17.2	14.2
250	8.0	35.9	33.1	30.2	15.3	12.3

### Electrical Specifications

- Max.Conductor DC Resistance @20°C**
- 8.4Ω/100Meters
- Maximum DC Resistance Unbalanced@20°C**
- Inside the Pairs ≤2%
- Between Pairs to pairs ≤4%
- Max.Pair-to-Pair Ground Capacitance Unbalance**
- ≤160pF/100Meters
- Dielectric strength**
- Between conductors 1.0KV(DC.1min) 2.5kv(DC.2s)
- Between conductor and shield 2.5KV(DC.1min) 6.3kv(DC.2s)
- Insulation resistance**
- ≥5000MΩ
- Characteristic Impedance(1~250Mhz)**
- 100±15Ω
- Delay Skew**
- <25ns/100m

### Material Specifications

- Temperature Rating**
- Installation:** 0°C to+ 60°C
- Operating:** -20°C-75°C
- Tensile Strength
- Insulation:** HDPE ≥16Mpa, Foam PE ≥10MPa, FEP ≥16MPa
- Jacket:** PVC ≥13.5Mpa, LSZH ≥10.0MPa, PE ≥10.0Mpa
- Elongation**
- Insulation:** ≥300%(Foam PE≥200% FEP≥200%)
- Jacket:** 150% (PVC≥150% LSZH≥125%)

### Packing

Meter Marking: CAT6 UTP 4PR/23AWG Bare Copper LSZH  
 TIA/EIA 568D ISO/IEC11801 001M.002M...305M  
 300m per Reel, 2 roll per carton

### Application

- Conductor**
- Material: Bare Copper
- Diameter: 0.55±0.01mm
- Insulation**
- Material: HDPE
- Thickness: ≥0.21mm
- Diameter: 1.02±0.05mm
- Cross
- Material: Plastic
- Rip-cord
- Material: Nylon
- Jacket
- Material: Flame retardant LSZH
- Diameter: 6.0±0.3mm
- Twisted pair
- N/A
- Pair 1 : Blue, White/Blue
- Pair 2 : Orange, White /Orange
- Pair 3 : Green, White/Green

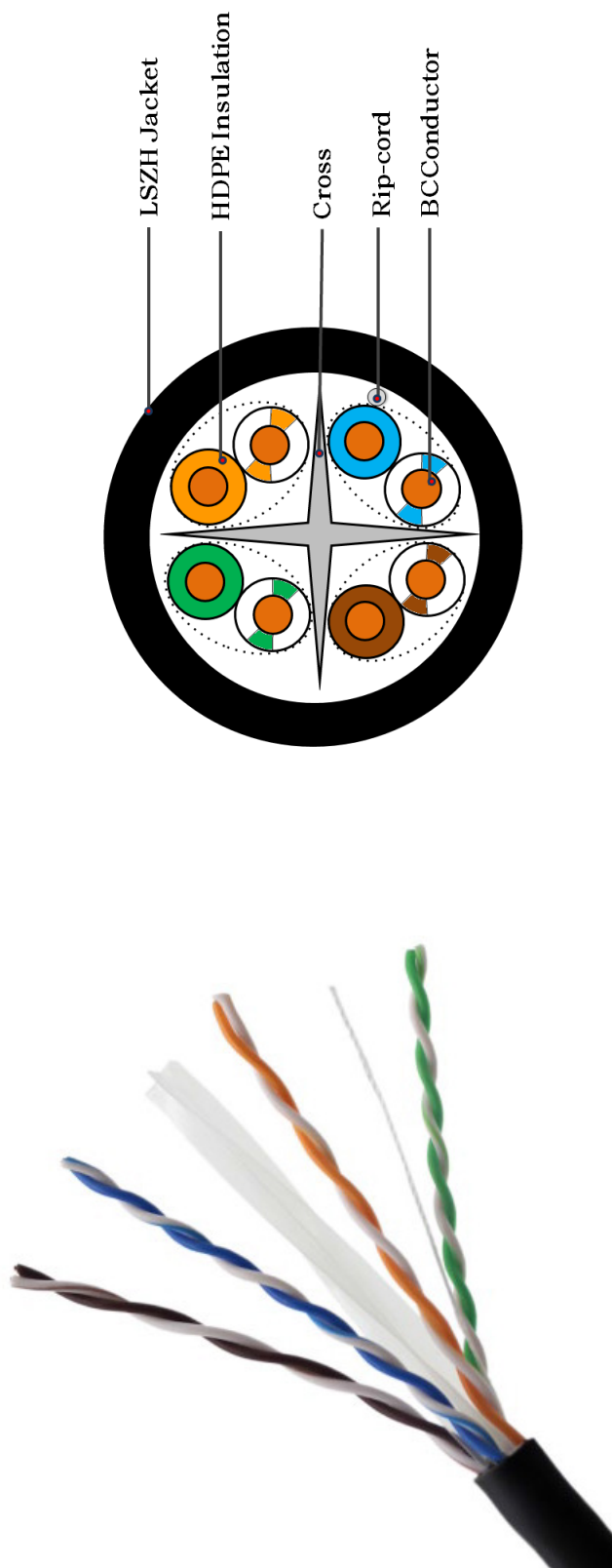
### Application

- ATM 155Mbps**
- Ethernet 10 BASE-T,100BASE-TX,100BASE-VG,100BASE-T4
- 1000Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)**
- Fast Ethernet 10G Base-T (IEEE 802.3u)
- 1000vg-AnyLAN (IEEE 802.12)**
- Token Ring (IEEE 802.5)
- TP-PMD (ANSI X3T9.5)**
- 100M bps CDDI



# Cable Construction

Category 6 UTP Cable | CAA-0076





# UAE Series Decora Face Plates

## Shuttered UAE Series Decora Flat Face Plates

### ■ Introduction

UAE Series Decora Face Plate are aesthetically designed to provide a fresh look to match today's office decor. These face plates are of UAE Standards (85 x 85 mm) and are designed to accept one or two PRS keystone jacks. Face plates include pressure-release designation label cover for quick and tool-less removal and they come with

mounting screws. They are made of flame retardant polycarbonate material, providing extra durability, safety and a aesthetic look for stylish interior design. UAE Series Decora Face Plates are packed in individual easy tear bags with labels, transparent cover and fixing screws.

### ■ Features and Benefits

- UAE Standard flat and shuttered face plate
- Designed to accept all PROSECURE Keystone Jacks
- Pressure release designation label cover
- Ensures patch cord accessibility and reduces bending
- Comes standard with all mounting and fixing hardware
- Flame retardant polycarbonate material for extra durability
- Aesthetic design for stylish interiors
- Available in single and dual ports
- Pressure release designation label covers
- Standard color available is White
- Metallic finish and custom colors available for projects

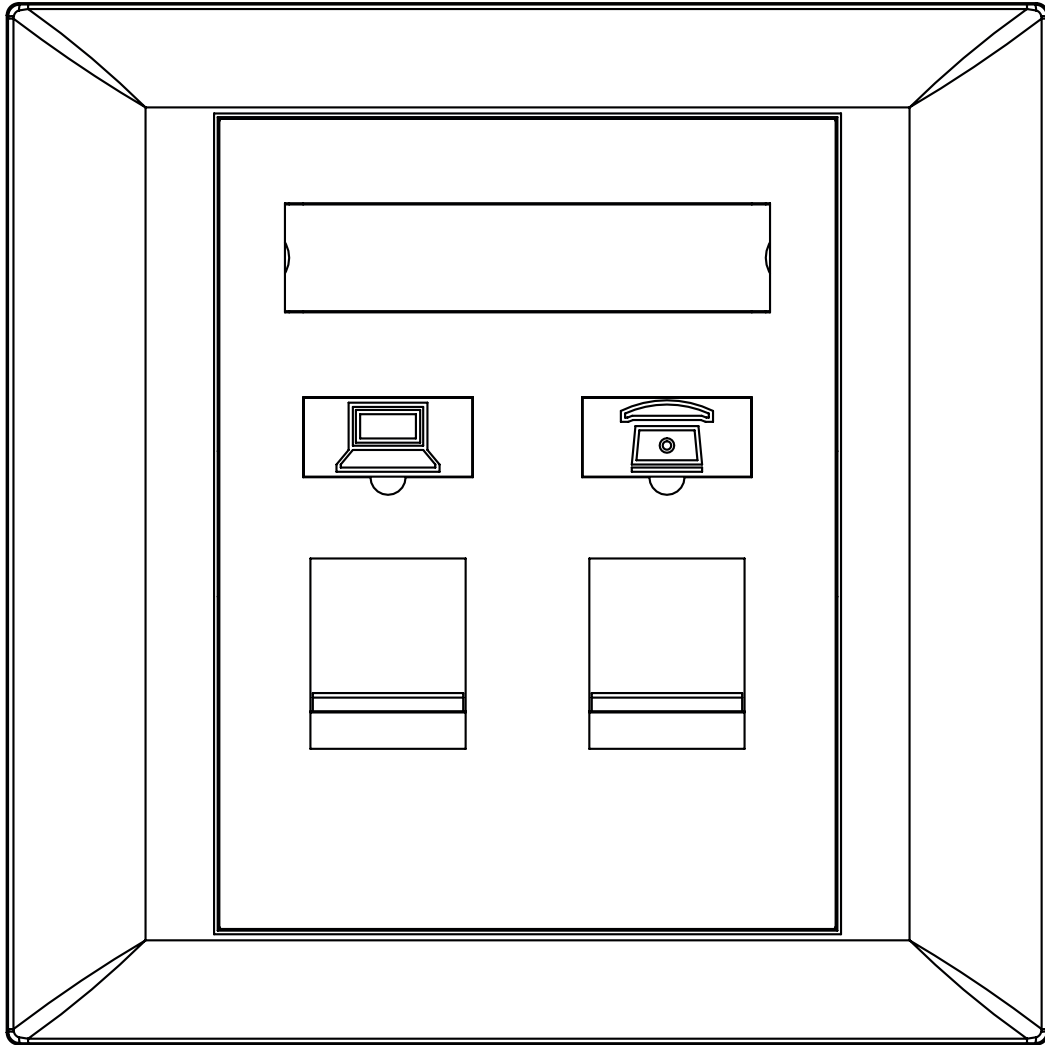
Ordering Information	
Part Number	Description
PRFP186D	PROSECURE UAE Series Decora Face Plate, Flat Shuttered, Single Port
PRFP286D	PROSECURE UAE Series Decora Face Plate, Flat Shuttered, Dual Port

**Delivery:** Face Plate, Fixing Screws, Labels, Transparent Cover in poly bag.  
**Packaging:** Bag=1 Face Plate | Carton=25 Face Plates.

# Plate Construction

UAE Series Decora Face Plates

86



86



## Category 6 UTP 90 Degree Keystone Jack

## Category 6 Unshielded Twisted Pair 90 Degree 110 IDC Keystone Jack

### ■ Introduction

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### ■ Features and Benefits

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- **Certification**

ETL Verified for performance as per ANSI/TIA-568-C.2 and ISO/IEC 11801 standards

- **Reliable Performance**

Electrical performance guaranteed to meet or exceed the channel specifications of ANSI/TIA-568-C.2 and ISO/IEC 11801 of Category 6

- **Superior Design**

Slim Profile with Dust Covers, Bend Limiting Strain Relief, 90 Degree 110 IDC, High Impact Flame Retardant Plastic Compound, RoHS Compliant

- **Performance Warranty**

Qualifies for the PROSECURE's 25 Years System Performance Link Warranty.

**Category 6 UTP 90 Degree Keystone Jack**

# Specification

Electrical Specifications
<b>Current Rating</b>
1.5Amp max
<b>Dielectric Strength</b>
1000 V, AC RMS, 60 Hz/1min
<b>Contact Resistance</b>
20 mohm
<b>Insulation Resistance</b>
500 Mohm
<b>Voltage Rating</b>
150 VAV max
<b>Temperature</b>
-40°C ~ 70°C

Typical Applications
100BASE-TX Fast Ethernet
Token Ring
1000BASE-T Gigabit Ethernet
155 Mbps ATM
Composite Video
622 Mbps ATM

Ordering Information	
Part Number	Description
PRKJ6D90WH	Category 6 UTP 90 Degree 110 Keystone Jack, White Color
PRKJ6D90GY	Category 6 UTP 90 Degree 110 Keystone Jack, Grey Color

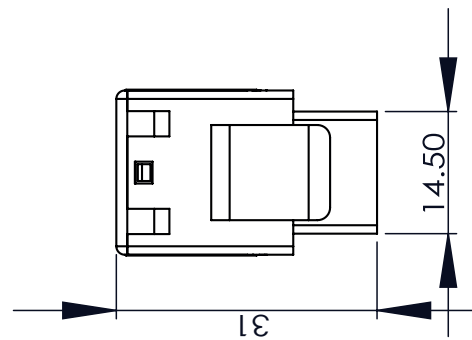
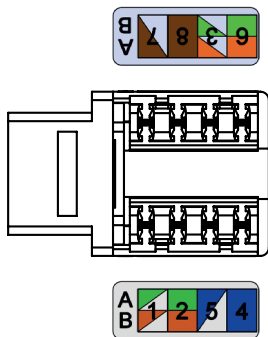
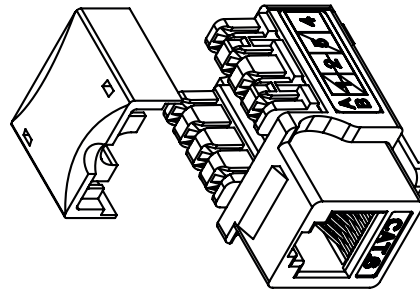
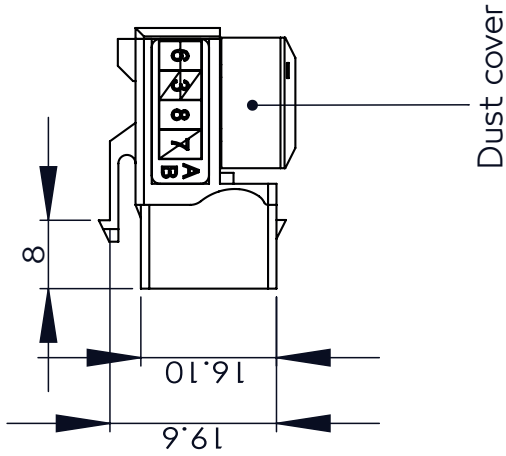
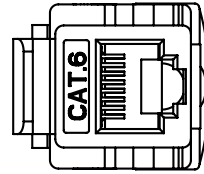
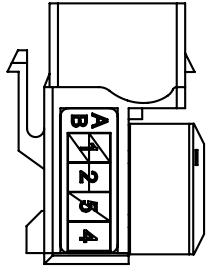
Delivery: One Modular Jack and One Strain Relief per bag.  
 Packaging: 1) Bag - 1 Jack; 2) Carton - 50 Jacks

Material Specifications
<b>RJ45 8-Pin Connector</b>
FCC part 68, subpart F and IEC-60603-7 Compliant
<b>Spring Wire</b>
Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
<b>Durability</b>
750 mating cycles
<b>IDC Connector</b>
IDC Connector
<b>Terminations</b>
Terminates 22~26 AWG (0.64~0.41 mm)
<b>Insulation Diameter</b>
0.70~1.40 mm
<b>110 Contacts</b>
200 terminations
<b>Connector</b>
Phosphorous Bronze with 150µ" Tin-Lead over 50µ" Nickel undercoat
<b>Jack Housing</b>
Polyphenylene Oxide, UL94V.0
<b>Dust Cover and Strain Relief</b>
Polycarbonate, UL94V.0

Standards
Meets ANSI/TIA/EIA-568-C.2 Category 6 with the applicable electrical transmission characteristics
Meets TIA/EIA TSB-40 requirements
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0
Meets CENELEC Generic Cabling Standard EN50173 - 1:2002
RoHS Compliant

# Keystone Jack Construction

Category 6 UTP 90 Degree Keystone Jack

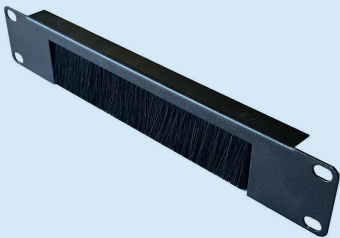


# Cable Management

## 19" Cable Management Panel

### ■ Cable Management

#### Brush Panel



- SPCC Cold Rolled Steel, Thickness 1.2mm,
- Degreasing, Phosphoric, Power Coated
- Height: 1U

#### Blanking Panel



- SPCC Cold Rolled Steel, Thickness 1.2mm,
- Degreasing, Phosphoric, Power Coated
- Height: 1U, 2U

#### 5 Ring Cable Management Panel



- 19" Rack Mountable Cable Management
- Panel with 5 Fixed Metal Rings
- Ring Dimensions: 55 x 44.5 mm
- Height: 1U

### Ordering Information

Part Number	Description
PRMPK1U	Blanking Panel 19", Height: 1U
PRMPK2U	Blanking Panel 19", Height: 2U
PRMPB1U	Brush Panel 19" 1U, Height: 1U
PRMPT5M	5 Ring Cable Management Panel, Height: 1U

Delivery: Includes Cage Nut and Screws.



## Modular Unloaded Patch Panel

### Unloaded Patch Panel with Rear Cable Management Bar

#### ■ Introduction

---

PROSECURE's Unloaded Patch Panels for Category 6 and Category 6A Keystone Jacks are 19" rack mountable panels and can accommodate up to 24 UTP Keystone Jacks with 1U height. The keystone jacks can be snapped in easily with a simple click movement, the jacks also be removed easily if required. The patch panel has a dual frame construction for sturdy support of the keystone jacks which have 110 IDC terminations on the rear side.

In the front of the panel 1 to 24 ports are numbered clearly for easy identification and clear plastic label holders are present for efficient circuit identification. The patch panel comes with a easy clip-on rear cable management bar that can be easily mounted to the back of the panel without the need for mounting screws. The rear cable management bar provides support for cable routing and strain relief. Accessories included are Rack Mount Screws, Labels, Cable Ties.

**Earthing and Grounding.**  
These panels have rugged construction and superior design with powder coated black finish and made of SPCC Cold Rolled Steel. This design provides enhanced plug-to-jack connection integrity and protects against damage caused by insertions.

#### ■ Features and Benefits

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- As per International Standards ISO/IEC 11801
- 24 Ports Unloaded Patch Panel of 1U height
- Suitable for both Cat.6 and Cat.6A Keystone Jacks
- Easy Identification with Individual Port Marking
- Clear Plastic Label Holders for efficient circuit identification
- Easy Clip-on Rear Cable Management Bar for strain relief
- Includes Rack Mounting Accessories and Cable Ties
- Degreasing, phosphoric, powder coated
- Black Finish, SPCC Cold Rolled Steel Thickness 1.2 mm
- Earthing and Grounding Features
- RoHS Compliant

**Modular Unloaded Patch Panel**

## Specification

### Material Specifications

<b>Height</b>	1U
<b>Color</b>	Black
<b>Housing</b>	UL 94V.0 Fire-Retardant Plastic
<b>Metal Frame</b>	SPPC Powder Coated Steel

### Packing

One 24 Unloaded Patch Panel, Easy Clip-on Rear Cable Management Bar, Clear Plastic Label Holders, Label Kit, Cable Ties, Velcro Tie, Cage Nut and Screws.

### Mounting Dimensions

<b>Width</b>	19" rack mountable panel
<b>Depth</b>	1.5" deep without cable management bar, 6.0" deep with cable management bar
<b>Height</b>	24 Ports Panel: 1.75" (1U)

### Ordering Information

Part Number	Description
PRPPU24MB	PROSECURE Unloaded Patch Panels, 24 Ports 1U with Management Bar

## Construction

