




# OSILAN<sup>®</sup>

Manufacturer of Structured  
Cabling Systems

COPPER  
CABLING  
SYSTEM  
**CATEGORY**

**8**





# ABOUT OSILAN

Established in the United Kingdom in 2012, Osilan Ltd stands as a pioneer in copper structured cabling, fibre optic cables, FTTx networks, data center and cabinet solutions.

Our expert teams boasts extensive experience in designing and implementing network solutions for different organisations and projects. This wealth of knowledge enables us to manufacture cutting-edge products that consistently exceed industry standards for quality and performance.

Our expertise spans voice, data, fibre optic cables, FTTH blown fibre and ducted network solutions, all under the “OSILAN” brand.

Since inception, Osilan has experienced sustained growth, driven by endorsements and an unwavering commitment to service excellence. Today, we take pride not only in operating and distributing our products in the UK, but also in the Middle East and Africa, both directly and through our distributor and partner network, expanding our global influence. Our success speaks to the exceptional quality of the Osilan brand.



## CATEGORY 8 COPPER CABLING SYSTEM



### Description

OSILAN Category 8 copper cabling is flexible and ideal for high-speed data transmission solutions and fully complies with Category 8.1/8.2 standards. It's ideal for use in LAN protocols and 40 Gigabit Ethernet.

- 25GBASE-T (25-Gigabit Ethernet) and 40GBASE-T (40-Gigabit Ethernet)
- 10BASE-T (Ethernet), 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10-Gigabit Ethernet)
- POE, Voice, Broadband videos transmission at frequencies up to 2000 MHz.

## Copper Cabling System

### Features and Benefits

- Standard Compliance ANSI/TIA-568-C.2-1 Category 8.1/8.2, ISO 11801 2nd Edition Class standards, IEEE 802.3an-2006 and EN 50173:2007 EN 50288-3-1:2013.
- Exceeds requirements of ANSI/TIA-568-C.2-1 Category 8.1/8.2, and IEC 61156-5 component standards.
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W.
- OSILAN Cat 8.1/8.2 Solution provides End-to-end solution in both screened designs.
- The performance headroom provided by OSILAN Cat 8.1/8.2 Solution makes it a reliable and safe choice of cabling to support 25/40 Gigabit Ethernet.
- Choice of S/FTP 22AWG cable available in LSZH.
- Cable diameter S/FTP (8.2mm) nominal.
- Insulation Skin-foam-skin PE.
- Screen Aluminum Foil.
- Drain Wire: 0.45mm Tinned Copper (TC) for Cat 8 Cables.
- Installation temperature range -30°C to 40°C.
- Temperature (Operation) -10°C to +75°C.
- Channel characterized to 2000 MHz.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- 25 Years System Warranty.







## Description

OSILAN Category 8 Patch Panels comply with the current standards for enhanced Category 8. All outlets are numerically identified with an additional writable surface for ease of port naming.

Each panel has integrated rear cable management to make the installation easier. A choice of port density –24 Port 1U, 48 Port 2U– is available to suit all applications. Each panel is supplied with cable ties, panel mounting accessories and short-form installation instructions.

## Features and Benefits

- Exceeds requirements of ANSI/TIA-568-C.2-1 Category 8, IEEE 802.3an-2006, and ISO 11801 channel standards.
- Exceeds requirements of ANSI/TIA-568-C.2-1 Category 8 and IEC 60603-7-41 Category 8 component standards
- Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W.
- Each port is 100% tested to ensure NEXT and RL performance.
- Contacts plated with 50 micro inches of gold for superior performance
- Angled versions allow for higher density applications by easily routing the patch cords to each side of the panel eliminating the need for horizontal cable management
- Terminate 4-pair, 22 – 26 AWG, 100 ohm, solid or stranded twisted pair cable
- Pre-printed numbers above each port for easy identification
- Mount to standard EIA 19" racks or 23" racks with optional extender bracket.
- Wiring Specification T568A & T568B
- Connecting Tools 110 Punch tools, Krone Type termination tools
- Operating temperature -10°C to 60°C
- Storage temperature -40°C to 75°C
- Relative humidity Max. Non-condensing 93%.
- Empty Panel is available in flush mount and Angled Style with 24 ports and 48 ports.
- OSILAN Patch Panel Housing is Cold-Rolled Steel (CRS).
- Earthing kit, cage nuts and mini cable ties included

**OSILAN**  
CATEGORY 8 COPPER  
PATCH PANELS

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## CATEGORY 8 COPPER JACK MODULES



## Description

OSILAN Shielded Snap-in-Jacks offer true Category 8 component performance. The Jacks are suitable for mounting in a range of housings from patch panels faceplates, floor boxes, and work area distribution enclosures.

- Category 8 Screened Keystone – Tool-less Jack – Butterfly Style

## Features and Benefits

- Standard Compliance ANSI/TIA-568-C.2-1 Category 8.1/8.2, ISO 11801 2nd Edition Class standards, IEEE 802.3an-2006 and EN 50173:2007 EN 50288-3-1:2013.
- Exceeds requirements of ANSI/TIA-568-C.2-1 Category 8.1/8.2, and IEC 61156-5 component standards.
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W.
- OSILAN Cat 8.1/8.2 Solution provides End-to-end solution in both screened designs.
- The performance headroom provided by OSILAN Cat 8.1/8.2 Solution makes it a reliable and safe choice of cabling to support 25/40 Gigabit Ethernet.
- Choice of S/FTP 22AWG cable available in LSZH.
- Cable diameter S/FTP (8.2mm) nominal.
- Insulation Skin-foam-skin PE.
- Screen Aluminum Foil.
- Drain Wire 0.45mm Tinned Copper (TC) for Cat 8 Cables.
- Installation temperature range -30°C to 50°C.
- Temperature (Operation) -10°C to +75°C.
- Channel characterized to 2000 MHz.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- 25 Years System Warranty.



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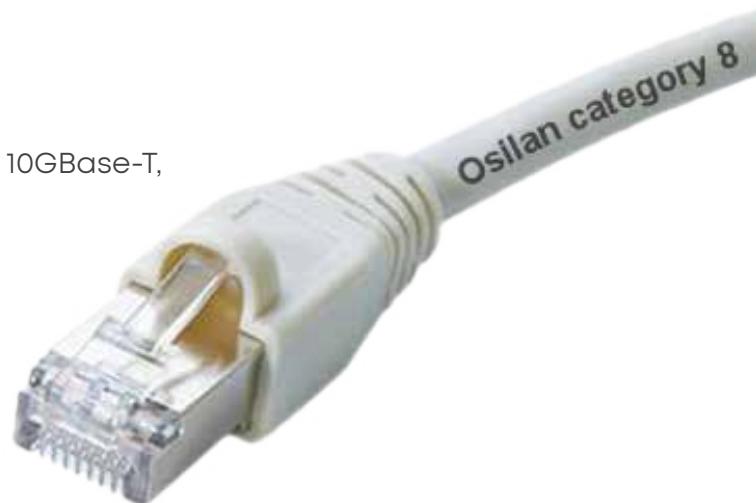
## CATEGORY 8 COPPER PATCH CORD

### Description

OSILAN Category 8 Screened Patch cords are manufactured and tested individually to comply with ISO11801, EN 50173 Category 8 and EIA/TIA standards for enhanced performance. Each cable consists of 4 pairs of stranded 24-26 AWG conductors twisted together with varying lay lengths. The outer sheath is of LSZH. Multiple colours are available for the outer jacket sheath to enhance application identifications where necessary.

### Features and Benefits

- Exceed requirements of ANSI/TIA-568-C.2-1 Category 8, IEEE 802.3 an-2006, and ISO 11801 channel standards.
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W.
- Component EC Verified.
- Conductor 24-26 AWG (7/0.152mm), Stranded Plain Copper.
- Outer Diameter 6mm.
- Insulation Foam Polyethylene.
- Cables are fitted with plastic strain relief boots, for applications that may require continuous patching or a degree of stress relief applied.
- Plug contacts plated with 50 micro inches of gold for superior performance
- Each patch cord is 100% performance tested to component limits and wired to T568B.
- Plug meets all applicable ANSI/TIA-1096-A requirements and IEC 60603-7 specifications.
- Temperature (Installation): -30°C to +50°C
- Temperature (Operation): -20°C to +75°C
- LSZH IEC 60332-1 Sheath
- Suitable for 25/40 Gigabit, 25GBase-T, 40GBase-T, 10GBase-T, Ethernet application
- Multiple colours available.
- Lightweight, Compact Design
- Variable lengths (0.5,1,2,3,5,7,10,15,20,30m)





CATEGORY 8 COPPER  
FACE PLATE







**OSILAN<sup>®</sup>**

**THANK YOU**

**WE LOOK FORWARD TO WORKING TOGETHER**



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