OSILAN®

OSILAN®

Manufacturer of Structured Cabling Systems

Copper
Cabling System

OSI-LINK
NEW LINE

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.

OSI-LINK

CATEGORY 6 COPPER CABLING SYSTEM

⋮⋮⋮Description

OSI-Link is flexible and cost-effective solution that fully comply with Category 6/Class E standards and is ideal for use in LAN protocols and applications such as. 10BASE-T (Ethernet), 100BASE-T (Fast Ethernet),1000BASE-T (Gigabit Ethernet),155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM, Token Ring 4/16 and ISDNPOE, Voice, Broadband videos transmission at frequencies up to 250 MHz.

Features and Benefits

- Standard Compliance: ANSI/TIA-568-C.2 Category 6, ISO 11801 2nd Edition Class E channels standards and EN 50173:2007 EN 50288-3-1:2013.
- OSILAN Cat 6 Solution provides End to end solution in both screened and unscreened designs.
- The performance headroom provided by OSILAN Cat6 Solution makes it a reliable and safe choice of cabling to support Gigabit Ethernet.
- Choice of U/UTP 24 AWG cable available in both PVC and LSZH
- Cable diameter: U/UTP (6.3 mm) nominal
- Installation temperature range: -30°C to 50°C.
- Temperature (Operation): -10°C to +75°C.
- Channel characterized to 250 MHz, according to the standards.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.

OSI-LINK

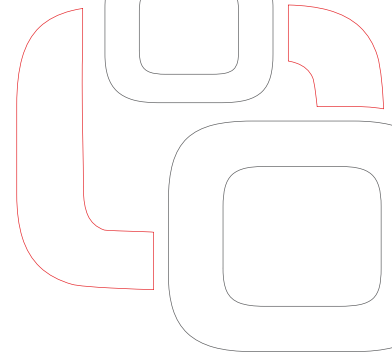## CATEGORY 6 COPPER PATCH PANELS

Description

OSI-Link Category 6 Patch Panels comply with the current standards for enhanced Category 6/Class E. 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

• Category 6 compliant to ISO IEC11801 & amendments, EN50173-1, ANSI/EIA/TIA 568C Series
• Available in two Versions.
   - Modular Patch Panel Accept OSILAN Modules for UTP which snap in and out for easy moves, adds, and changes (Modular Patch Panel).
   - Category 6 compliant Patch Panel using patented state of the art printed circuit technology.
• Category 6 Patch Panel High impact, flame retardant plastic for unscreened cables.
• Pre-printed numbers above each port for easy identification
• Mount to standard EIA 19" racks or 23" racks with optional extender bracket.
• Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers.
• Power Sum Compliant
• Supports Gigabit Ethernet
• Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
• Wiring Specification T568A & T568B
• 22 to 26AWG Solid & 24AWG Stranded wires.
• 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%

OSI-LINK

CATEGORY 6 COPPER JACK MODULES

Description

OSI-Link screened and unscreened Snap-in-Jacks offer true Category 6/Class E component performance. The Jacks are suitable for mounting in range of housings from patch panels, faceplates, floor boxes, and work area distribution enclosures.

Features and Benefits

- Category 6 Unscreened Keystone – Punch Down
- ISO/IEC category Category 6 performance connectors ANSI/TIA-968-A. IEC 60603-7. EIA/TIA 568-C.2 series: Category 6/Class E performance from 1 to 250 MHz.
- Terminates full range of 22 – 26 AWG conductors
- Operating Temperature   -10°C to 60°C
- Storage Temperature   -40°C to 70°C.
- Each jack is 100% tested to ensure NEXT and RL performance and is individually serialized for traceability.
- Connector Body High-impact, fire-retardant plastic rated UL 94V-0.
- Contacts plated with 50 micro inches of gold.
- Accept 6 and 8-position modular plugs without damage.
- Number of IDC Terminations Minimum 200 re terminations.
- Wiring Code T568A and T568B wiring schemes.
- Multiple colours available.

OSI-LINK
CATEGORY 6 COPPER PATCH CORD

Description

OSI-Link Category 6 screened and unscreened are manufactured and tested individually to comply with ISO11801, EN 50173 Category 6 and EIA/TIA standards for enhanced performance. Each cable consists of 4 pairs of stranded 24AWG 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

• Exceeds ANSI/TIA-568-C.2 Category 6, ISO 11801 Category 6/Class E standards and EN 50173 Category 6.
• Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W.
• Constructed of Category 6, 24 AWG UTP stranded cable (nominal cable diameter 6mm).
• 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
• Supports Gigabit Ethernet.
• Multiple colours available.
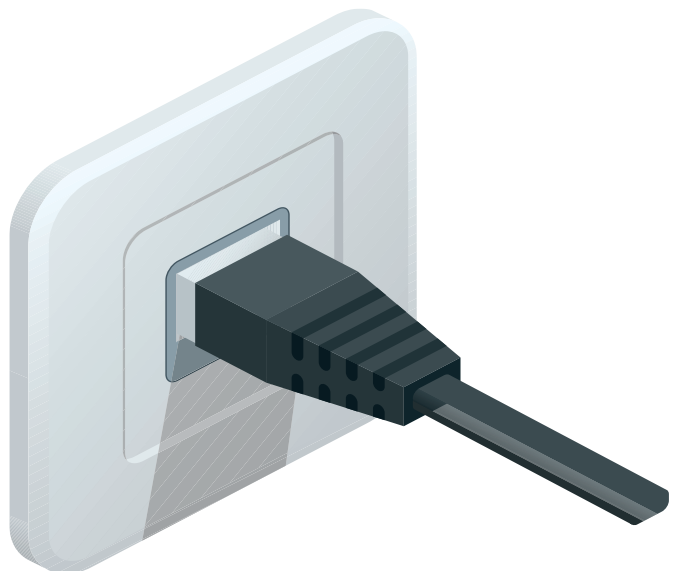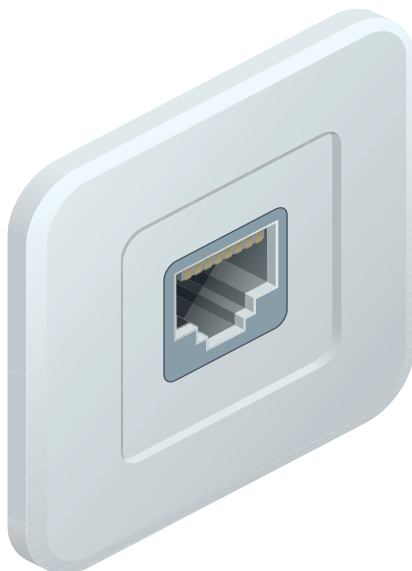• Variable lengths (0.5,1,2,3,5,7,10,15,20,30m)

OSI-LINK

CATEGORY 6 COPPER FACE PLATE

Back

Front

THANK YOU

WE LOOK FORWARD TO WORKING TOGETHER