

# PLM UTP Category 6<sub>A</sub>



TE Connectivity's PLM UTP Category 6<sub>A</sub> solution combines our leading connectivity technology with Intelligent Physical Layer Management hardware providing a 'best in class' solution.

This CopperTen™ PLM UTP Patch Panel is the standard CopperTen™ product with the PLM upgrade fascia fitted.

This industry first design allows a tool-less upgrade from passive to PLM with interchangeable front fascias, enabling complete end-to-end real time control and remote management of Enterprise networks.

The PLM Category 6<sub>A</sub> patch cords feature stranded cables for superior flexibility and a special boot design to ensure bend radius management and maximum performance.

## FEATURES

- Compatible with TE AMPTRAC Solution
- Complete physical layer monitoring
- Showcase standard communications room appearance
- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- Exceeds the requirements of:  
ISO/IEC 11801:2002 (channel requirements) and TIA-568-B.2-10 (channel, permanent link and component requirements)
- Covered by TE's System Warranty

## ORDERING INFORMATION

Description	Catalogue Number
PLM Patch Panel, CopperTen™ PCB UTP 24 ports	6527 1 811-24
Patch Cord, PLM CopperTen™ UTP, LSZH 1.0m blue	6529 2 101-04
Patch Cord, PLM CopperTen™ UTP, LSZH 2.0m blue	6529 2 101-07
Patch Cord, PLM CopperTen™ UTP, LSZH 3.0m blue	6529 2 101-10
Patch Cord, PLM CopperTen™ UTP, LSZH 5.0m blue	6529 2 101-15

\*Contact TE Connectivity for additional cable colours and lengths.

## SPECIFICATIONS (PATCH PANELS)

### Mechanical

Panel rack mounting	1U 19" (IEC 60297)
Panel dimensions (mm)	44 x 483 x 142 deep
Plug / jack mating cycles	≥ 750 (IEC / EN 60603-7 Series)
Plug / jack insertion / withdrawal force	≤ 20N (IEC / EN 60603-7 Series)
Product weight	0.9Kg including jacks

### Electrical

Jack	Category 6A
Insulation resistance	≥ 16Ω
Dielectric strength	Contact / contact 1.0kV
Current carrying capacity	≥ 1A / contact
Typical plug / jack resistance	≥ 20mΩ
Conductor terminations of LSA-PLUS* contacts	≥ 200
Conductor diameter	0.5-0.65mm (AWG 24-22)
Insulation diameter	0.7-1.6mm

### Panel

Signal voltage	5V dc
Signal current	2 mA max (EN60950:2000)

### Environmental and Safety

Operating temperature range	-10°C to +60°C
Operating humidity range	≤ 95% relative humidity non condensing

### Testing Requirements

Testing to ISO Class E<sub>A</sub> Channel 25N 1255

## DATA SHEET



### Contact us:

TE Connectivity Ltd.  
Diestse Steenweg 692  
3010 Kessel-Lo  
Belgium

Tel +32 16 351 011  
Fax +32 16 351 697

[www.te.com](http://www.te.com)  
[www.te.com/adckrone](http://www.te.com/adckrone)

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