TrueNet®

CopperTen™ Unshielded Patch Cords

TThe TrueNet Augmented Category 6 solution, supports 10 Gigabit Ethernet over unshielded copper to a full 100 metres up to 500 MHz.

CopperTen Unshielded (UTP) Patch Cords utilise the same patented technology found within the horizontal cable to minimise the effects of insertion loss and alien crosstalk (interference from adjacent cables) found at high frequencies. Alien crosstalk greatly disrupts transmission and high-speed data communications.

The high performance plug is designed with an integrated strain relief boot that prevents the cable from moving at the termination point when the cable is flexed. The strain relief boot also ensures that the correct bend radius is maintained throughout the network.

The copper conductors held within the cable pairs are stranded for superior flexibility and are compacted to a near-round shape for optimum signal strength.

Features

- Patented technology to minimise the effects of alien crosstalk and insertion loss
- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- Stranded copper conductors in the cable pairs
- Flexible strain relief boot
- Fully interoperable and backwards compatible with component compliant Category 5e / Class D and Category 6 / Class E systems
- Guaranteed channel capacity that is equal to or greater than 18-Gigabits per second (Shannon's Capacity) - the capacity identified by the IEEE as the minimum requirement for operation on 10GBase-T

Benefits

- A lower cost route to achieve 10 Gigabit performance in the Enterprise Network
- Maximises productivity levels with 10 times the data throughput
- Minimum network latency
- Superior cable flexibility from stranded cores
- Boot maintains correct bend radius to ensure maximum performance
- True future proofing for tomorrows network applications
- Covered by the TrueNet System Warranty

TECHNICAL DATA

Ordering Information

Description	Catalogue number
Patch cord, CopperTen RJ45 LSZH UTP Blue 1.0m	6645 2 827-04
Patch cord, CopperTen RJ45 LSZH UTP Blue 2.0m	6645 2 827-07
Patch cord, CopperTen RJ45 LSZH UTP Blue 3.0m	6645 2 827-10
Patch cord, CopperTen RJ45 LSZH UTP Blue 5.0m	6645 2 827-15

Other cable types are available upon request
Please contact ADC KRONE Customer Services for details: +44 (0) 1242 264 400

Technical Specifications

Mechanical Data

Operating temperature range:	-20ºC to 75ºC
RJ45 Plug Interface According to:	IEC 60603-7
Transmission Performance and Reliability:	TIA/EIA 568-B.2-10 draft standards
Conductor:	24 AWG 7x32 stranded tinned copper
Jacket:	LSZH (EN 60754-1 & -2)
Nominal Outer Diameter:	6.4mm ± 0.13mm

Compliances

Safety rating:	IEC/EN 60950 LVD compliant
Flammability Rating:	IEC 60332-1

Testing requirements of connection technology according to ISO/IEC 11801 2nd Edition, ANSI/TIA/EIA-568-B.2-1 and EN 50173-1:2002 and channel testing to the IEE 802.3an D1.0 channel requirements

TECHNICAL DATA

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