

TrueNet®

Category 6_A 4-pair UTP Cable

Issue 3



Category 6_A cable is the foundation of ADC KRONE's augmented Category 6 TrueNet Structured Cabling Solution. Based on TrueNet technology, this cable guarantees Category 6_A performance, ensuring maximum network speed, data throughput and reliability. Installed in high-performance networks worldwide, the system's patent-pending design minimises alien crosstalk and insertion loss and meets the performance requirements of IEEE 802.3an, ISO/IEC 11801 ed.2.1 and TIA 568-B.2-10 draft standards.

Features:

- 10 Gigabit Ethernet
- Highest performing UTP 4-pair cable in the world
- Maximum headroom for current and future technologies
- Patent-pending oblique elliptical offset filler reduces alien crosstalk
- Manufactured with lead-free materials

Compliances:

- UL Subject 4444
- (UL)-C(UL) Type CMR/CMG
- ICEA S-90-661
- NEC 800 Type CMR
- TIA/EIA 568-B.2-10
- ISO/IEC 11801 Class E Ed.2.1
- ACMA (A-Tick) Compliant

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adckrone.com/au • 1800 801 298 • helpdesk.au@adckrone.com

TrueNet®

CopperTen™ 4-pair Cable

Specifications

Construction:

Conductor: 23 AWG solid bare copper
 Insulation: 100% Polyolefin
 Separator: Flame retardant Polyolefin
 Jacket: Non-lead, flame retardant
 PVC 7.5mm – 6.5mm x 8.4mm

Mechanical:

Bend Radius 8 x outer diameter
 Installed: 4 x outer diameter
 Pull Tension: 110N

Electrical:

Conductor DC Resistance @ 20 °C (68 °F) (Max): 9.38Ω/100m
 DC Resistance Unbalance (Max): 2%
 Mutual Capacitance @ 20 °C (68 °F) (Max): 5.6nF/100 m
 Operating Voltage (Max): 300 VDC
 Worst Case Cable Skew: 40 ns/100 m
 Nominal Velocity of Propagation: 65%

Environmental:

Transport and Storage: -20° to 75°C
 Installation: 4° to 50°C
 Operation: -20° to 75°C

Ordering Information

Description	Colour	Product No.
Category 6A 4-pair UTP Cable, 305m Reel	Grey	10G-A6TR-GYM2
Category 6A 4-pair UTP Cable, 305m Reel	Blue	10G-A6TR-BLM2

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www.adckrone.com/au

AUSTRALIA 2 Hereford Street, Berkeley Vale NSW 2261
 Mailing Address: PO Box 335, Wyong NSW 2259, Australia
 Sales Support: 1800 801 298

www.adckrone.com/nz

NEW ZEALAND 2 Nevis Street, Petone, Wellington
 Mailing Address: PO Box 38-177, Wellington Mail Centre 6008, New Zealand
 Sales Support: 0800 657 663

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101
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