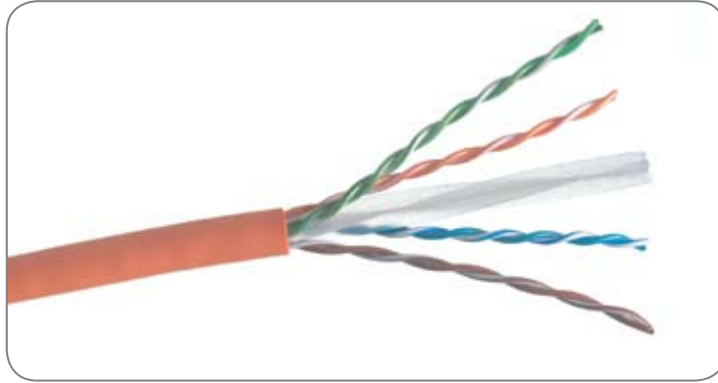


# TrueNet®

## Category 6 Unshielded Horizontal Cable



TrueNet® Horizontal Category 6 cables are core components of the ADC KRONE impedance-matched structured cabling system.

The TrueNet® cable portfolio offers component compliant products that exceed current Category 6 standards and come complete with third party certification. When used in a Channel alongside TrueNet® patch panels, patch cords and jacks it provides zero bit error performance safeguarding the data integrity and maximises data throughput.

Category 6 cables are available in both low smoke zero halogen (LSZH) and PVC sheaths to suit all installation requirements.

### Features

- Performance exceeding Category 6 specifications up to 250MHz
- Finely tuned to impedance match with other TrueNet® Category 6 connectivity
- Comprehensive portfolio of cable types
- Fully interoperable and backwards compatible
- Third party certification at a component level

### Benefits

- Maximum throughput, reliability and performance in your IT network
- Delivers zero bit errors, removing the need for Ethernet to re-transmit data packets and ensures data integrity
- Flexibility to suit the installation requirement
- Third party certification offers complete peace of mind and guaranteed quality
- Covered by the TrueNet® System warranty\*

TECHNICAL DATA



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## Ordering Information

| Description                                   | Catalogue Number |
|---|------------------|
| Category 6 LSZH 4PR Orange 305m reel-in-a-box | TN6TZ1-ORMB      |
| Category 6 LSZH 4PR Orange 1000m reel         | TN6TZ1-ORM6      |
| Category 6 PVC 4PR Grey 305m reel-in-a-box    | TN6TR-LSMB       |

Other variants, colours and lengths are available subject to lead-times and minimum order quantities. Please contact ADC KRONE Customer Services.

## Technical Specifications

### Construction

|                              |   |
|------------------------------|---|
| Conductors:                  | 24 AWG solid bare copper                              |
| Insulation:                  | Polyolefin  |
| Pairing:                     | Short, staggered pair lays                            |
| Filler:                      | Polyolefin  |
| Jacket LSZH:                 | Low Smoke Zero Halogen<br>IEC 61034; IEC 60754-1 & -2 |
| Jacket PVC:                  | Lead-free flame retardant PVC                         |
| Nominal outer diameter - 4PR | 5.5mm   |
| Flame test                   | IEC 60332-1   |

### Electrical Characteristics

|                                    |                     |
|------------------------------------|---------------------|
| Conductors DC resistance (maximum) | 9.38 Ohm/100 metres |
| DC resistance unbalance (maximum)  | 2%                  |
| Mutual capacitance (maximum)       | 5.6 nF/100 metres   |
| Operating temperature (maximum)    | 75°C                |
| Operating voltage                  | 300 VDC             |
| Worst case cable skew              | 25 nS/100 metres    |
| Nominal velocity of propagation    | 69%                 |

Testing requirements of cable according to ISO/IEC 11801:2002 2nd Edition (ref IEC 61156 series), ANSI/TIA/EIA-568-B.2.1 and EN 50173:2007 (ref EN 50288 series).

As there are infinite channel and permanent link combinations, to guarantee Category 6 system performance, the focus should be at the component level.

Third party test certificates at a Channel, Permanent Link and Component level are available for all ADC KRONE Category 6 products.

\* Terms & Conditions apply

TECHNICAL DATA



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