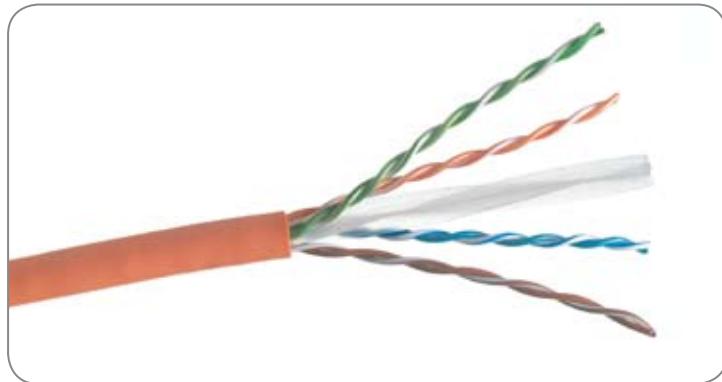


## TrueNet®

### 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 single (4 Pair) or shotgun (2x4PR) configurations 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



### 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 LSZH 2x4PR Orange 500m reel	TN6TZ1X2-ORM3
Category 6 PVC 4PR Grey 305m reel-in-a-box	TN6TR-LSMB
Category 6 PVC 2x4PR Grey 500m reel	TN6TMX2-LSM3

Other variants, colours and lengths are available subject to lead-times and minimum order quantities. Please contact ADC KRONE Customer Services on +44 (0) 1242 264 400.

## Technical Specifications

### Construction

Conductors:	24 AWG solid bare copper
Insulation:	Polyolefin
Pairing:	Short, staggered pair lays
Filler:	Polyolefin
Jacket LSZH:	Low Smoke Zero Halogen
	IEC 61034; IEC 60754-1 & -2
Jacket PVC:	Lead-free flame retardant PVC
Nominal outer diameter - 4PR	5.5mm
Nominal outer diameter - 2x4PR	6.0/13.0mm
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 11801:200 2nd Edition (ref IEC 61156 series), ANSI/TIA/EIA-568-B.2.1 and EN 50173:2002 (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.

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