

# TrueNet®

## Category 6 4PR LSZH/PVC F/UTP Horizontal Cable



A crucial component of ADC KRONE's impedance matched TrueNet structured cabling solution. This cable guarantees Category 6 performance ensuring maximum network speed, data throughput and efficiency.

This TrueNet LSZH horizontal cable is available in standard 500m or 1000m and also as 500m shotgun.

### Standards:

ISO 11801, EN 50288-2-1, EN 50173, IEC 61156-5-1, EIA/TIA 568-A and B.

### Features

- Performance exceeding Category 6 specifications up to 250MHz
- Ensures zero-bit errors, removing the need for Ethernet to re-transmit data packets and ensures data integrity
- Maximum throughput, reliability and performance in your IT network
- Covered by the TrueNet System Warranty

TECHNICAL DATA



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## Ordering Information

Description	Catalogue Number
Cable Horizontal Category 6 LSZH, F/UTP 1000m Reel, Orange	7053 3 232-75
Cable Horizontal Category 6 LSZH, F/UTP 500m Reel, Orange	7053 3 232-74
Cable Horizontal Category 6 LSZH, F/UTP 500m Reel Shotgun, Orange	7053 3 632-74
Cable Horizontal Category 6 PVC, F/UTP 1000m Reel, Grey	7053 3 221-75
Cable Horizontal Category 6 PVC, F/UTP 500m Reel, Grey	7053 3 221-74

## Specifications

### Electrical Data

Mean impedance	100 + 5 $\Omega$
Propagation delay difference (skew)	< 45 ns
DC resistance	$\leq 187.6 \Omega/\text{km}$
Capacitance unbalance to ground	$\leq 1600 \text{ pF/km}$
Dielectric strength	700 V AC/1 min
Insulation resistance	$\geq 5000 \text{ M}\Omega \times \text{km}$
Current carrying capacity at 60°C:	
- all conductors simultaneously	0.175A
- screen	5A
Coupling attenuation:	
- from 30 to 100 MHz	$\geq 55 \text{ dB}$
- from 100 MHz to 1 GHz	$\geq 55 - 20 \log f/100$

### Construction

Nominal outside diameter	6.9mm
Nominal outside diameter (shotgun)	7 x 14.8mm

### Environmental

Storage temperature	-40°C to +70°C
Operating temperature	-20°C to +60°C
Installation temperature	0°C to +50°C (24 hours prior to installation, store the cable at 20°C $\pm$ 5°C)

### Compliances

Fire rating	IEC 60332-1
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#### Web Site: [www.adckrone.com](http://www.adckrone.com)

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