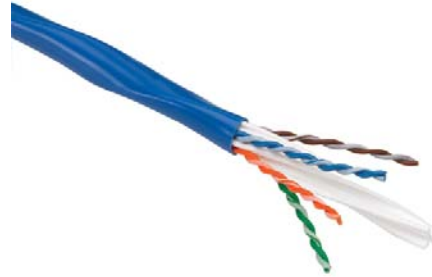


# TrueNet®

## Category 6<sub>A</sub> 4-pair UTP Cable, LSZH

Issue 2



The TrueNet Augmented Category 6<sub>A</sub> Solution supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500 MHz.

TrueNet Category 6<sub>A</sub> cable utilises patented designs and manufacturing processes to minimise alien cross talk and insertion losses.

The most noticeable difference when compared to other Gigabit cables is the star filler which is now elliptical and offset. The filler keeps distance between not only pairs within the cable but also with the pairs in adjacent cables. The cable ellipse rotates along its length, creating a larger air footprint. The distance between all pairs is now maintained removing alien cross talk.

### Features:

- Patented technology to minimise the effects of alien cross talk and insertion loss
- Supports 10 Gigabit Ethernet over unshielded copper to a full 100m up to 500MHz
- 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 the capacity identified by the IEEE As the minimum requirement for operation on 10GBase-T
- Is available as standard in a blue Low Smoke Zero Halogen sheath
- 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
- True future proofing for tomorrow's network applications

### Compliances:

- UL Subject 444
- (UL)-C(UL) Type CMR/CMG
- ICEA S-90-661
- NEC 800 Type CMR
- TIA/EIA 568-B.2-10 standard
- ISO/IEC 11801 CLASS EA Category 6<sub>A</sub> horizontal cable requirements

SPEC SHEET



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# TrueNet®

## Category 6A 4-pair UTP Cable

### Specifications

#### Mechanical:

Nominal copper conductor diameter: .....0.57mm (23 AWG)  
 Insulation: ..... 100% Polyolefin  
 Separator: ..... 100% Polyolefin  
 Jacket: ..... Low Smoke Zero Halogen  
 Nominal outside diameter: ..... 7.62mm – 6.5mm x 8.4mm  
 Minimum bending radius for hard placement: ..... 34mm  
 Minimum bending radius for installation: ..... 67mm  
 Maximum pulling force: ..... 110N  
 Installation temperature: ..... 4° to 50°C  
 Operating temperature: ..... -20° to 75°C

#### Electrical:

DC resistance at 20°C (max): ..... 9.38Ω/100m  
 DC resistance unbalanced (max): ..... 2%  
 Mutual capacitance at 20°C (max): ..... 5.6nF/100m  
 Operating voltage (max): ..... 300VDC  
 Worse case cable skew: ..... 40ns/100m  
 Nominal velocity of propagation: ..... 65%

### Ordering Information

Description	Quantity	Colour	Product No.
Category 6A 4-pair UTP Cable, LSZH	305m Reel	Blue	10G-A6TZ1-BLM2

SPEC SHEET



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