

Horizontal Cabling Category 5e



Category 5e 4PR LSZH UTP Horizontal Cable	5.30
Category 5e 4PR PVC UTP Horizontal Cable	5.32
Category 5e 4PR Outback® Cable	5.34
Category 5e 4PR LSZH/PVC F/UTP Horizontal Cable	5.36

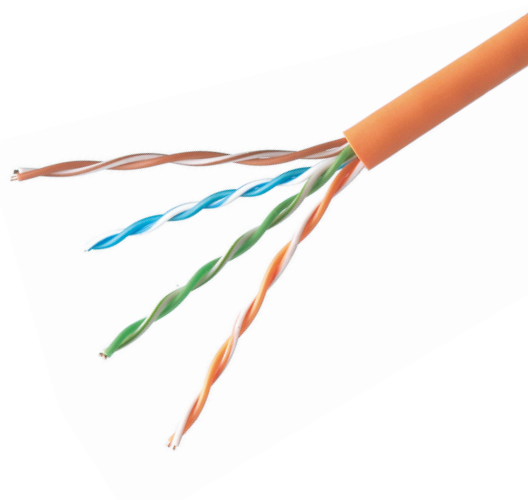
Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR LSZH UTP Horizontal Cable

A crucial component of ADC KRONE's impedance matched TrueNet structured cabling solution. This cable guarantees Category 5e performance.

TrueNet LSZH horizontal cable is available in standard 305m boxes and 1000m reels and has a fire-rating of IEC 60332-1.



Features

- Performance exceeding Category 5e specifications up to 100MHz
- 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
- Third party certification at component level
- Covered by the TrueNet System Warranty

Ordering Information

Description	Catalogue Number
Cable Horizontal Category 5e LSZH, UTP 305m Reelex, Orange	TN5ETZ1-ORMI
Cable Horizontal Category 5e LSZH, UTP 1000m Reel, Orange	TN5ETZ1-ORM6

Other cable types and colours are available upon request and subject to minimum order quantities.

Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR LSZH UTP Horizontal Cable

Electrical Data

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)	300 V DC
Worse case cable skew	22 ns / 100m
Nominal velocity of propagation	67%

Construction

Conductor	24 AWG solid bare copper
Insulation	100% polyolefin
Jacket	Low Smoke Zero Halogen
Nominal outside diameter	5.0mm

Environmental

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

Compliances

Flammability	IEC 60332-1
Smoke density	IEC 61034
Acid gas	IEC 60754-1
pH	IEC 60754-2
Testing requirements	ISO/IEC 11801:2002 2nd edition (ref: IEC 61156 series) ANSI/TIA/EIA 568-B.2.1 EN 50173:2002 (ref: EN 50288 series)

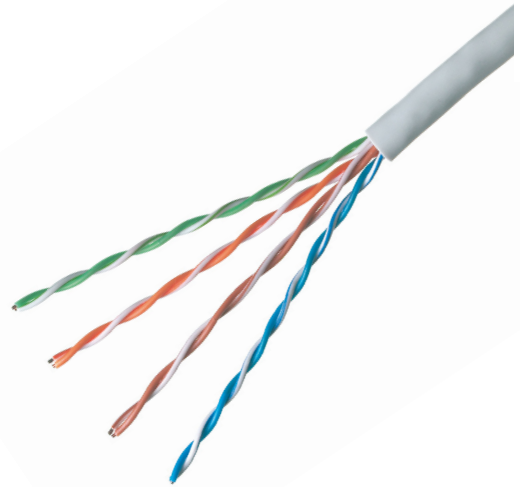
Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR PVC UTP Horizontal Cable

A crucial component of ADC KRONE's impedance matched TrueNet structured cabling solution. This cable guarantees Category 5e performance.

TrueNet PVC horizontal cable is available in standard 305m boxes and 1000m reels and has a CM fire-rating equivalent and better than IEC 60332-1.



Features

- Performance exceeding Category 5e specifications up to 100MHz
- 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
- Third party certification at component level
- Covered by the TrueNet System Warranty

Ordering Information

Description	Catalogue Number
Cable Horizontal Category 5e PVC, UTP 305m Reelex, Grey	TN5ETR-LSMI
Cable Horizontal Category 5e PVC, UTP 1000m Reel, Grey	TN5ETR-LSM6

Other cable types and colours are available upon request and subject to minimum order quantities.

Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR PVC UTP Horizontal Cable

Electrical Data

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)	300 V DC
Worse case cable skew	22 ns / 100m
Nominal velocity of propagation	67%

Construction

Conductor	24 AWG solid bare copper
Insulation	100% polyolefin
Jacket	Lead-free flame retardant PVC
Nominal outside diameter	5.0mm

Environmental

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

Compliances

Flammability	IEC 60332-1
Testing requirements	ISO/IEC 11801:2002 2nd edition (ref: IEC 61156 series) ANSI/TIA/EIA 568-B.2.1 EN 50173:2002 (ref: EN 50288 series)

Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR Outback® Cable

The Outback cable is a 4PR, 24 AWG, Category 5e data cable designed for outdoor use. The cable combines excellent transmission and weather resistant properties. It is intended for installations in buried conduit, or as an overhead cable. The core contains a heat and water-blocking tape, which isolates the core from extreme temperature and moisture.



Features

- Performance exceeding Category 5e specifications up to 100MHz
- Contains a heat and water blocking tape to isolate from extreme temperature and moisture
- Ensures zero-bit errors, removing the need for Ethernet to re-transmit data packets and ensures data integrity
- For use in buried conduit or overhead applications
- Covered by the TrueNet System Warranty

Ordering Information

Description	Catalogue Number
Cable Outback Category 5e PE, UTP 305m Reel-in-a-Box, Black	TN5ETOSP-BKRB
Cable Outback Category 5e PE, UTP 305m Reel, Black	TN5ETOSP-BKM2

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Horizontal Cabling
Category 5e

Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR Outback® Cable

Electrical Data

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)	300 V DC
Worse case cable skew	45 ns / 100m

Construction

Conductor	24 AWG solid bare copper
Insulation	100% polyolefin
Core tape	Moisture barrier core wrap
Jacket	Linear low-density Polyethelyene
Nominal outside diameter	5.59mm

Environmental

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

Compliances

Testing requirements	TIA/EIA 568-B.2
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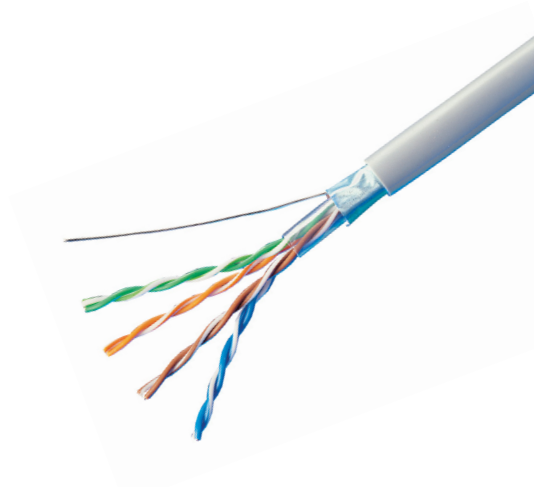
Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR LSZH/PVC F/UTP Horizontal Cable

Commonly known as FTP cable, this is a crucial component of ADC KRONE's impedance matched TrueNet structured cabling solution. This cable guarantees Category 5e 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.



Features

- Performance exceeding Category 5e specifications up to 100MHz
- 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

Standards:

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

Ordering Information

Description	Catalogue Number
Cable Horizontal Category 5e LSZH, F/UTP 1000m Reel, Orange	7053 3 132-75
Cable Horizontal Category 5e LSZH, F/UTP 500m Reel, Orange	7053 3 132-74
Cable Horizontal Category 5e LSZH, F/UTP 500m Reel Shotgun, Orange	7053 3 532-74
Cable Horizontal Category 5e PVC, F/UTP 1000m Reel, Grey	7053 3 121-75
Cable Horizontal Category 5e PVC, F/UTP 500m Reel, Grey	7053 3 121-74

Horizontal Cabling

Category 5e Horizontal Cable

Category 5e 4PR LSZH/PVC F/UTP Horizontal Cable

Electrical Data

Mean impedance	100 ± 5 Ω
Propagation delay difference (skew)	< 45 ns
Loop conductor resistance	≤ 187.6 Ω/km
Capacitance unbalance to ground	≤ 1600 pF/km
Dielectric strength	700 V AC / 1 min
Insulation resistance	≥ 5000 MΩ x km
Current carrying capacity at 60°C:	
- all conductors simultaneously	0.175A
- screen	5A
Coupling attenuation:	
- from 30 to 100 MHz	≥ 55 dB
- from 100 MHz to 1 GHz	> 55 – 20 log f/100

Construction

Nominal outside diameter	6.3mm
Nominal outside diameter (shotgun)	6.3 x 14mm

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 ± 5°C)

Compliances

Fire rating:	IEC 60332-1
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