

Category 5e UTP Cables

Category 5e UTP PVC Cables

Clipsal Titanium® Category 5e 4-Pair Cable consists of 24AWG (0.57mm) solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with PVC material.

The Clipsal Titanium® Category 5e 4-Pair Cable provides excellent high-speed transmission, is certified to 155MHz and supports applications such as 155Mb/s ATM, 622Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit Ethernet) standard, using parallel transmission technology. This product is UL listed with a CM fire rating.

Category 5e UTP LSZH Cables

The Clipsal Category 5e Low Smoke Zero Halogen (LSZH) 4-Pair Cable consists of 24AWG (0.5mm) solid-copper conductors insulated with high-density polyethylene. The insulated conductors are tightly twisted into pairs and covered with a non-halogen high-density polyethylene jacket made from low smoke zero halogen compounds.

The Clipsal Category 5e LSZH 4-Pair Cable provides excellent high-speed transmission, and certified to 155MHz and supports applications such as 155Mb/s ATM, 622Mb/s ATM and IEEE 802.3 1000 Base-T (Gigabit Ethernet) standards, using parallel transmission technology. This product is UL listed with a CM fire rating.

The Clipsal Category 5e LSZH 4-Pair Cable is IEC tested for low smoke and non-halogen emission and passes the following tests:

- IEC 754 part 2, Non-halogen based on pH and Conductivity Measurements
- IEC 1034 part 2, Smoke Emission
- IEC 332 part 1, Flammability and Fire Retardant (3051A)
- IEC 332 part 3, Flammability and Fire Retardant (3061A)
- NES 713: Toxicity Index

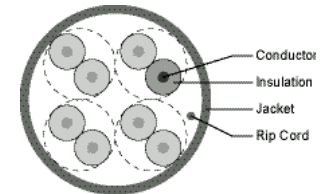
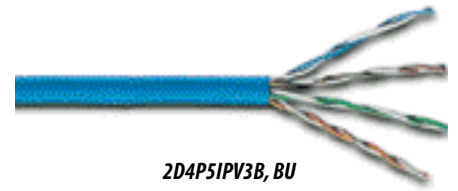
The Clipsal Category 5e LSZH 4-Pair Cable meets and exceeds attenuation and NEXT requirements in ISO/IEC 11801, CENELEC EN50173, and ANSI/TIA/EIA-568B Horizontal Cable Section for Category 5e. These cables are UL verified to the Category 5e standard.

PHYSICAL SPECIFICATIONS

Rated Temperature	75° C
Product Standard Certification	UL
Flammability Test	CM, LSZH
Application	Horizontal Wiring in LAN
Reference Standard	UL Subject 444, ANSI/TIA/EIA-568B & ISO/IEC 11801

CONSTRUCTION

Conductor	Solid Bare Copper
AWG	24
Conductor Dia. Nom. (mm)	0.505
Insulation	PE
Average Thickness (mm)	0.19
Min. Point Thickness (mm)	0.16
Insulation Diameter (±0.10mm)	0.88
Twisting Lay Length (mm)	30 underneath
Cabling Lay Length (mm)	200 underneath
Jacket	PVC
Average Thickness (±0.05mm)	0.50
Min. Point Thickness (mm)	0.43
Outer Diameter (±0.2mm)	4.9
Rip Cord	YES



PRODUCT FEATURES

- Complies with Category 5e ANSI/TIA/EIA-568B & ISO/IEC 11801 Standard.
- 24AWG conductors and the transmission is certified to 100MHz.
- UL Listed CM Fire rated.
- Exceeds Category 5e ANSI/TIA/EIA-568 and ISO/IEC 11801 Standards.
- Supports transmission of digital and analogue voice, data and video signal.
- Supports Gigabit Ethernet (1000 Base-T).
- Industry leading Lifetime Warranty - unique to the market!

Category 5e UTP Cables

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	Delay (ns/100m)
0.772	19.4	1.8	67.0	65	64.0	66.0	63.0	575.0
1	20.0	2.0	65.3	63	62.3	63.8	60.8	570.0
4	23.0	4.1	56.3	52	53.3	51.7	48.7	552.0
8	24.5	5.8	51.8	46	48.8	45.7	42.7	546.7
10	25.0	6.5	50.3	44	47.3	43.8	40.8	545.4
16	25.0	8.2	47.3	39	44.3	39.7	36.7	543.0
20	25.0	9.3	45.8	37	42.8	37.7	34.7	542.0
25	24.3	10.4	44.3	34	41.3	35.8	32.8	541.2
31.25	23.6	11.7	42.9	31	39.9	33.9	30.9	540.4
62.5	21.5	17.0	38.4	21	35.4	27.8	24.8	538.6
100	20.1	22.0	35.3	13	32.3	23.8	20.8	537.6

1.0-100.0MHz Input Impedance (Ohms)	100±6
1.0-250.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (Ohms/km)	93.8
Resistance Unbalance (%)	≤5

CATALOGUE NUMBER DESCRIPTION

PVC Cables

2D4P5IPV3B, BU	Category 5e, 4-Pair, UTP, PVC, CM Rated, Clipsal Titanium Cable, 305m, Blue
2D4P5IPVR3B, BU	Category 5e, 4-Pair, UTP, PVC, CMR Rated, Clipsal Titanium Cable, 305m, Blue
2D4P5IPVR3B, GY	Category 5e, 4-Pair, UTP, PVC, CMR Rated, Clipsal Titanium Cable, 305m, Grey

LSZH Cables

2D4P5ILS3B, BU	Category 5e, 4-Pair, UTP, LSZH, Clipsal Titanium Cable, 305m, Blue
2D4P5ILS3B, GY	Category 5e, 4-Pair, UTP, LSZH, Clipsal Titanium Cable, 305m, Grey