

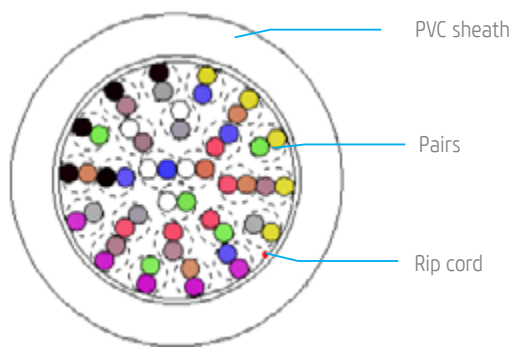
LadonX™ Telephone Cable

Cat. 3 U/UTP PVC Jacket Multi-Pair Cable



Hermesys LadonX™ series Indoor PVC Cat.3 cable is a type of unshielded twisted pair (UTP) cable that is used for voice and data communications in computer and telecommunication networks. It is an Ethernet copper cable defined by the Electronics Industry Alliance(EIA) and Telecommunication Industry Association (TIA).

LadonX™ Cat. 3 cable delivers good voice communication performance because it provides 16 MHz of bandwidth, which is more than enough for phone calls.



Cross section of part number:
< Not to scale >

Features and Benefits

For the transmission of digital and analogue voice signals.

Suitable for applications up to Class C.

0.5mm conductor provide exceeds EIA/TIA-568-B.2 Cat. 3 performance

RoHS Compliant

Standards

Reference Standard IEC 61156
EIA/TIA-568-B.2, Cat. 3

Flame Resistance IEC 60332-1
IEC 61034
IEC 60754-2
* For LSOH jacket only

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Cable Description

CONDUCTOR & INSULATION

Conductor Material	Annealed Bare Copper
Conductor Size	0.50 mm ± 0.01
Insulation Material	HDPE
Insulation Min Thickness	0.195mm
Insulation Diameter	0.89± 0.02mm
Number Of Pairs	25P/50P/100P/200P
Pair 1 ~ 6	Bl-Wh, Orange-Wh, Gn-Wh, Br-Wh, Gy-Wh, Bl-Rd,
Pair 7 ~ 13	Orange-Rd, Gn-Rd, Br-Rd, Gy-Rd, Bl-Bk, Orange-Bk, Gn-Bk,
Pair 14 ~ 21	Br-Bk, Gy-Bk, Bl-Yl, Orange-Yl, Gn-Yl, Br-Yl, Gy-Yl, Bl-Vi,
Pair 22 ~ 25	Orange-Vi, Gn-Vi, Br-Vi, Gy-Vi
Drain Wire	N/A
Overall Shielding	Mylar Tape
Jacket Type	PVC Grey RAL 7035 ; LSOH Grey RAL 7032
Cable Overall Diameter	12.2±1.0mm/16.5±1.5mm/22.5±1.5mm/31.5±1.5mm

PHYSICAL TECHNICAL DATA

Insulation Min Tension Strength (psi) Before aging	≥ 2320
Insulation Min Elongation (%) Before aging	≥ 300%
Jacket Min Tension Strength (psi) Before aging	≥ 1960 (± 20% after aging)
Jacket Min Elongation (%) Before aging	≥ 150% (± 20% after aging)
Min. Bending Radius (mm)	≥ 8 times of overall diameter
Installation Temperature	0 °C to +50 °C
Operating Temperature	-20 °C to +60 °C

ELECTRICAL TECHNICAL DATA

DC Resistance at 20°C (Ω/km)	Max. 95
Insulation DC Resistance (M Ω/km)	Min. 5000
Dielectric Strength (DC)	1KV/1min
Conductor Resistance at 20°C	2.50%
Impedance	100 ± 15 Ω

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TRANSMISSION CHARACTERISTICS

AT 20°C

Freq. (MHz)	Att. (≤dB)	RL (≥dB)	NEXT (≥dB)	Delay Skew (≤ns/100m)	Delay (≤ns/100m)
1	--	--	--	--	--
4	5.6	12.0	32.2	45.0	552
8	8.5	12.0	27.7	45.0	547
10	9.7	12.0	26.3	45.0	545
16	13.1	9.96	23.2	45.0	543

Ordering information

Part Number	103XXX1-50
Sheath Marking	Hermesys LadonX Cat. 3 U/UTP XXP <Type Jacket> Cable 103XXX1-50 xxxxM MMY

Notes: P/N : 103XXX1-50

1) XXX : No. of Pairs (2E/25 pairs, 5J/50 pairs, 1JJ/100 pairs, 2JJ/200 pairs)

Shipping information

103XXX-50-305D	305m/wooden drum
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