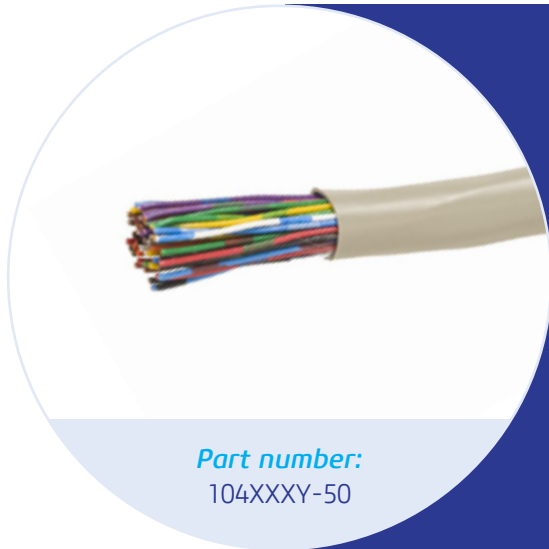


# LadonX™ Multi-Pair Data Cable

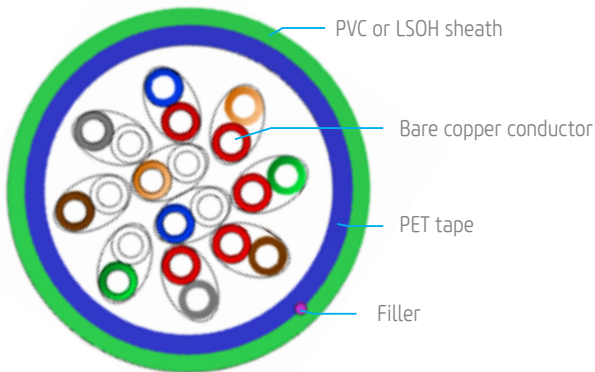
Cat. 5 U/UTP Multi-Pair PVC or LSOH Data Cable



**Part number:**  
104XXXY-50

*Hermesys LadonX™ series Indoor C5 multi-pair cable is used for voice and data communications in computer and telecommunication networks. It supports both backbone and horizontal applications.*

*LadonX™ U/UTP C5 multi-pair cable is available for both PVC and LSOH jacket.*



**Cross section of part number:**  
< Not to scale >

## Features and Benefits

For the transmission of digital and analogue voice signals.

RoHS Compliant

## Standards

**Reference Standard** ISO/IEC 11801  
EN 50173  
IEC 61156-5

**Flame Resistance** PVC: IEC 60332-1  
LSOH: IEC 60332-1  
IEC 61034  
IEC 60754-2

# LadonX™ Multi-Pair Data Cable

*Cat. 5 U/UTP Multi-Pair PVC or LSOH Data Cable*

## Cable Description

### CONDUCTOR & INSULATION

Conductor Material	Annealed Bare Copper
Conductor Size	24 AWG
Insulation Material	PE
Insulation Nominal Thickness	0.245mm
Number Of Pairs	25P/50P/100P
Colours of Pairs	White/Blue, White/Orange, White/Green, White/Brown, White/Grey, Red/Blue, Red/Orange, Red/Green, Red/Brown, Red/Grey, Black/Blue, Black/Orange, Black/Green, Black/Brown, Black/Grey, Yellow/Blue, Yellow/Orange, Yellow/Green, Yellow/Brown, Yellow/Grey, Violet/Blue, Violet/Orange, Violet/Green, Violet/Brown, Violet/Grey
Drain Wire	N/A
Overall Shielding	PET tape
Jacket Type	PVC or LSOH in Grey RAL 7035
Cable Overall Diameter	12.4mm/25P, 16.8mm/50P, 22.8mm/100P

### PHYSICAL & ELECTRICAL TECHNICAL DATA

Max. DC Resistance at 20°C ( $\Omega$ /km)	9.38
Min. Insulation DC Resistance (M $\Omega$ .km)	5000
Dielectric Strength Between Conductor DC (KV/1min)	1.0
Conductor Resistance Max. Unbalance 20°C %	5
Max. Pair Mutual Capacitance at 1MHz (nF/100m)	6.6
Max. Pair to Ground Capacitance Unbalance (nF/100m)	160
Impedance (1-100 MHz)	100 $\pm$ 15 $\Omega$
Min. Bending Radius	15 * OD
Max. Pulling Force	500N/25P, 1000N/50P, 2000N/100P
Nominal Weight (km/kgs)	167.0 kgs/25P, 332.0 kgs/50P, 635.0 kgs/100P
Installation Temperature	-20 °C to +50 °C
Operating Temperature	-20 °C to +60 °C

# LadonX™ Multi-Pair Data Cable

*Cat. 5 U/UTP Multi-Pair PVC or LSOH Data Cable*

## TRANSMISSION CHARACTERISTICS

AT 20°C

Freq. (MHz)	Att. (dB/100m)	RL (dB)	NEXT (dB)	ELFEXT (dB)
4	4.1	23.0	56.3	51.8
8	5.8	24.5	51.8	45.7
10	6.5	25.0	50.3	43.8
16	8.2	25.0	47.2	39.7
20	9.3	25.0	45.8	37.8
25	10.4	24.3	44.3	35.8
31.25	11.7	23.6	42.9	33.9
62.5	17.0	21.5	38.4	29.7
100	22.0	20.1	35.3	23.8

## Ordering information

<b>Part Number</b>	104XXXY-50
<b>Sheath Marking</b>	Hermesys LadonX Cat. 5 U/UTP XXP <Type Jacket> Cable 104XXXY-50 xxxxM MMY

Notes: P/N : 103XXXY-50

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

2) Y : Type of Jacket (1/PVC, 2/LSOH)

## Shipping information

105XXXY-305D	305m/wooden drum
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