

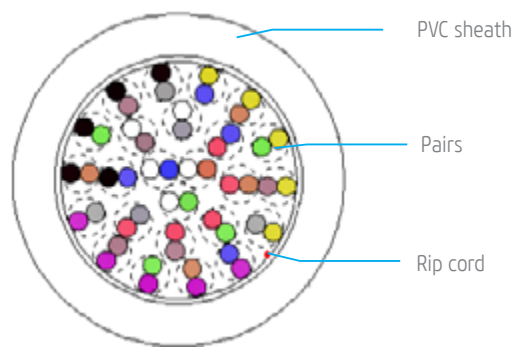
# LadonX™ Telephone Cable

26AWG U/UTP PVC Jacket Multi-Pair Telephone cable



*Hermesys LadonX™ series indoor PVC Telephone cable is a type of unshielded twisted pair (UTP) cable that is used for indoor telephone applications.*

*The 26AWG conductor are twisted to form a pair and over sheathed in grey color PVC. The rip cord is laid under the sheath to facilitate the sheath removal.*



**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.

RoHS Compliant

## Standards

**Reference Standard** IEC 60708-1  
IEC 60708-2  
IEC 60228-1

**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	0.40 mm ± 0.01
Insulation Material	HDPE
Insulation Min Thickness	0.155mm
Insulation Diameter	0.71 ± 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 ~ 12	Orange-Rd, Gn-Rd, Br-Rd, Gy-Rd, Bl-Bk, Orange-Bk
Pair 13 ~ 19	Gn-Bk, Br-Bk, Gy-Bk, Bl-Yl, Orange-Yl, Gn-Yl, Br-Yl,
Pair 20 ~ 25	Gy-Yl, Bl-Vi, Orange-Vi, Gn-Vi, Br-Vi, Gy-Vi
Drain Wire	N/A
Overall Shielding	Mylar Tape
Jacket Type	PVC
Cable Overall Diameter	10.4±1.0mm/13.9±1.5mm/ 18.9±1.5mm/26.2±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. 148
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	5.7	12.0	32.2	45.0	552
8	8.6	12.0	27.7	45.0	547
10	9.8	12.0	26.3	45.0	545
16	13.2	9.96	23.2	45.0	543

## Ordering information

**Part Number**

102XXX1-40

**Sheath Marking**

Hermesys LadonX Telephone Cable U/UTP Cu/PE/PVC XX  
Pairs 102XXX1-40 xxxxM MMY

Notes: P/N : 102XXX1-40

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

## Shipping information

102XXX-40-305D

305m/wooden drum