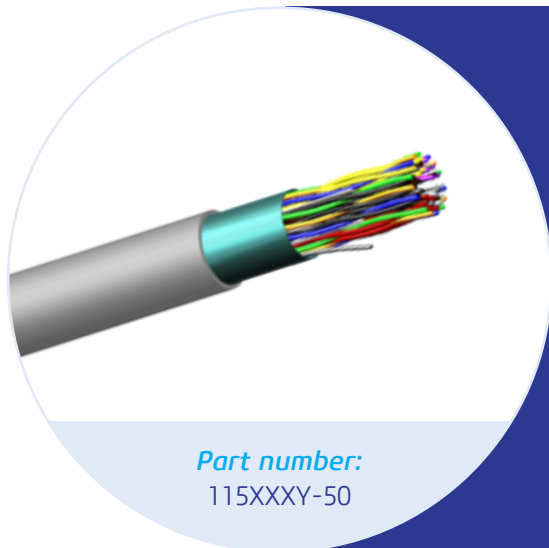


LadonX™ Multi-Pair Data Cable

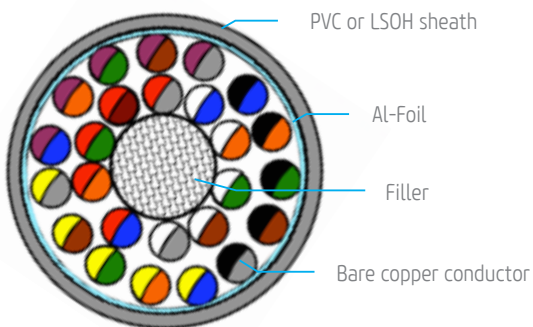
Cat. 5e F/UTP Multi-Pair PVC or LSOH Data Cable



Part number:
115XXXY-50

Hermesys LadonX™ series Indoor C5e multi-pair cable is used for voice and data communications in computer and telecommunication networks. It supports both backbone and horizontal applications.

HydraX™ F/UTP C5e 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/IEC11801
EN 50173
IEC 61156-5

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

LadonX™ Multi-Pair Data Cable

Cat. 5e F/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 Thickness	0.22 mm
Insulation Diameter	0.95 mm
Number Of Pairs	25P/50P/100P
Colours of Pairs	White/Blue, Red/Blue, Black/Blue, Yellow/Blue, Violet/Blue, White/Orange, Red/Orange, Black/Orange, Yellow/Orange, Violet/Orange, White/Green, Red/Green, Black/Green, Yellow/Green, Violet/Green, White/Brown, Red/Brown, Black/Brown, Yellow/Brown, Violet/Brown, White/Grey, Red/Grey, Black/Grey, Yellow/Grey, Violet/Grey
Drain Wire	Tinned copper drain wire
Overall Shielding-1	PET foil
Overall Shielding-2	Al foil
Jacket Type	PVC or LSOH in Grey RAL 7035
Cable Overall Diameter	15.5mm/25P, 27.5mm/50P, 32.5mm/100P

PHYSICAL & ELECTRICAL TECHNICAL DATA

Loop Resistance	$\leq 190 \Omega/\text{km}$
Resistance Unbalance	$\leq 2\%$
Mutual Capacitance	Nom. 48 nF/km
Pair-to-ground Capacitance Unbalance	$\leq 1500 \text{ pF}/\text{km}$
Impedance (1-100 MHz)	$100 \pm 15 \Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega \cdot \text{km}$
Min. Bending Radius without load	$\geq 60 \text{ mm}$
Min. Bending Radius with load	$\geq 120 \text{ mm}$
Max. Pulling Force	500N/25P, 1000N/50P, 2000N/100P
Nominal Weight (km/kgs)	217kgs/25P, 457kgs/50P, 920kgs/100P
Installation Temperature	0 °C to +50 °C
Operating Temperature	-20 °C to +60 °C

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TRANSMISSION CHARACTERISTICS

AT 20°C

Freq. (MHz)	Att. (dB/100m)	RL (dB)	NEXT (dB)	ELFEXT (dB)
1	2.0	20.0	65.3	63.8
4	4.1	23.0	56.3	51.8
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
31.2	11.7	23.6	42.9	33.9
62.5	17.0	21.5	38.4	27.9
100	22.0	20.1	35.3	23.8

Ordering information

Part Number	115XXXY-50
Sheath Marking	Hermesys LadonX Cat. 5e F/UTP XXP <Type Jacket> Cable 115XXXY-50 xxxxM MMY

Notes: P/N : 115XXXY-50

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

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

Shipping information

105XXXY-305D	305m/wooden drum
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