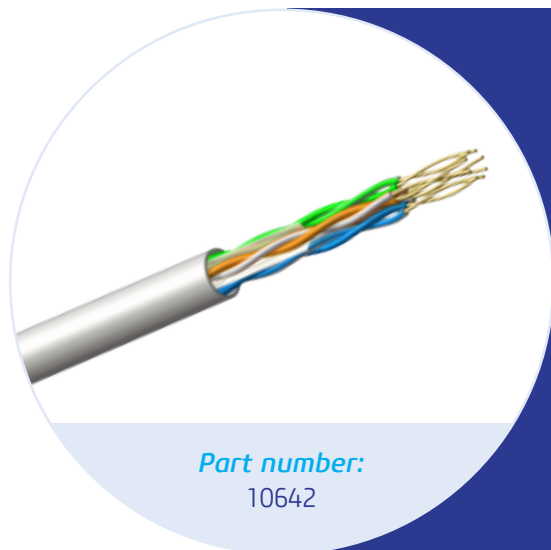


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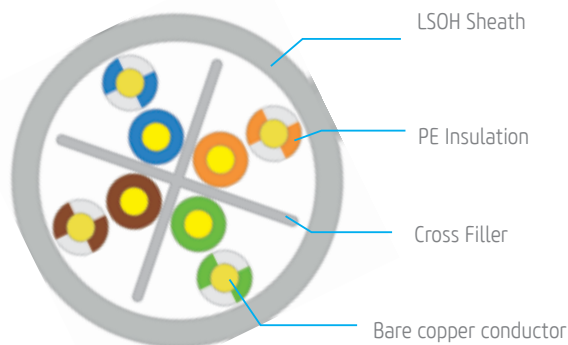
U/UTP 23 AWG LSOH Jacket Data Cable



LadonX™ Cat. 6 U/UTP 4-pair solid data cable is verified to TIA/EIA-568-C.2 and ISO/IEC 11811.

The high speed data transmission provide excellent transmission characteristics and is the best solution for Gigabit Ethernet and voice application.

The Hermesys unshielded structured cabling system comprises of unshielded modular connectors, patch panels, patch cords and cables.



Cross section of part number:
< Not to scale >

Features and Benefits

Transmission performance exceeds standard specifications.

Includes non-metallic cross separator for stronger signal strength.

Support IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-T (fast Ethernet), and 10BASE-T applications.

Suitable also for Analogic video, 155/622Mbps ATM, 1.2Gbps ATM

RoHS Compliant

Standards

Comply

ANSI/TIA 568-C.2
ISO/IEC 11801
IEC 61156-5

Flame Resistance

IEC 60332-1-2
IEC 60754-2
IEC 61034-1 & -2

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Cable Description

CONDUCTOR & INSULATION

Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG * 4P
Insulation Material	HDPE
Insulation Min Thickness	0.19 mm
Insulation Diameter	0.96 ± 0.03mm
Cross Filler	PE cross separator

PAIRS

Pair 1	Blue / White - Blue
Pair 2	Orange / White - Orange
Pair 3	Green / White - Green
Pair 4	Brown / White - Brown

SHIELDED & JACKET

Drain Wire	N/A
Single Pair Shielding	N/A
Overall Shielding 1	N/A
Overall Shielding 2	N/A
Jacket Type	LSOH
Cable Overall Diameter	6.00 ± 0.3mm

PHYSICAL TECHNICAL DATA

Cold Bend Test	-20°C x 4hrs No Crack
Dielectric Strength	AC 1.5 KV / 2sec
Insulation Min Tension Strength (psi) Before aging	2400
Insulation Min Elongation (%) Before aging	300
Jacket Min Tension Strength (psi) Before aging	1500
Jacket Min Elongation (%) Before aging	150
Min. Bending Radius (mm)	≥ 4 times of overall diameter
Max Pulling Tension (N)	≤ 110 N
Installation Temperature	0 °C to 60 °C
Operating Temperat	-20 °C to 60 °C

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ELECTRICAL TECHNICAL DATA

Conductor Resistance ($\Omega/100m$ @ 20°C)	Max. 9.38
DC Resistance Unbalance (%)	Max. 5%
Pair-to-ground Capacitance Unbalance (pF/100m)	Max. 330
Velocity of Propagation (%)	62%
Input Impedance (ohm)	100 \pm 15 Ω (1 to 250 MHz)

IEC 61156-5 ed 2.0 Category 6 Horizontal Cable Parameters

AT 20°C

Freq. (MHz)	Att. (dB/100m) Max	RL (dB) Min	NEXT (dB/100m) Min	ELFEXT (dB/100m) Min	PS-NEXT (dB/100m) Min	PSELFEXT (dB/100m) Min	Delay Skew (ns/100m) Min	Po. Delay (ns/100) Min
1	-	-	-	-	-	-	-	-
4	3.8	23.0	65.3	55.8	63.3	53.0	45	552.0
10	6.0	25.0	59.3	47.8	57.3	45.0	45	545.4
16	7.6	25.0	56.2	43.7	54.2	40.9	45	543.0
20	8.5	25.0	54.8	41.8	52.8	39.0	45	542.0
31.25	10.7	23.6	51.9	37.9	49.9	35.1	45	540.4
62.5	15.4	21.5	47.4	31.9	45.4	29.1	45	538.6
100	19.8	20.1	44.3	27.8	42.3	25.0	45	537.6
200	29.0	18.0	39.8	21.8	37.8	19.0	45	536.5
250	32.8	17.3	38.3	19.8	36.3	17.0	45	536.3

Ordering information

Part Number	10642
Sheath Marking	Hermesys LadonX Cat. 6 U/UTP LSOH Data Cable 10642 ANSI/TIA 568-C.2 ISO/IEC 11801 xxxxxM MMY

Shipping information

10642-305B	305m/Box
10642-500D	500m/wooden drum