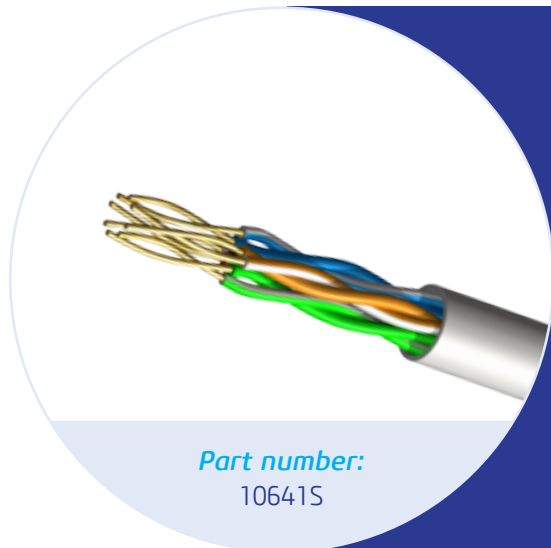


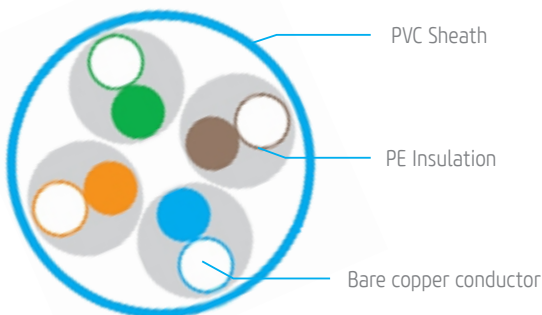
LadonX™ Category 6

U/UTP 23AWG Super Flex PVC Data Cable



Hermesys LadonX™ series Super Flex Cat. 6 U/UTP data cable is designed for Gigabit Ethernet and other network protocols.

Small overall diameter without PE cross filler which make cable much flexible and easy installation.



Cross section of part number:
< Not to scale >

Features and Benefits

Special design without PE cross-filler make overall diameter much smaller and flexible for easy and fast installation.

Small cabler overall diameter save the installation space.

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

RoHS Compliant

Standards

Comply

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

Flame Resistance

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Cable Description

CONDUCTOR & INSULATION

Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG * 4P
Insulation Material	HDPE
Insulation Min Thickness	0.18 mm
Insulation Diameter	0.96 ± 0.03mm
Cross Filler	N/A

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	PVC
Cable Overall Diameter	5.60 ± 0.2mm

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	2000
Jacket Min Elongation (%) Before aging	100
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 (%)	69%
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	ACRF (dB/100m) Min	PS-NEXT (dB/100m) Min	PSACRF (dB/100m) Min	Delay Skew (ns/100m) Min	Po. Delay (ns/100) Min
1	2.0	20.0	74.3	67.8	72.3	65.0	45	570.0
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
25	9.5	24.3	53.3	39.8	51.3	37.0	45	541.2
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	10641S
Sheath Marking	Hermesys LadonX Slim Cat.6 U/UTP PVC Data Cable 10641S ANSI/TIA 568-C.2 ISO/IEC 11801 xxxxxM MMY

Shipping information

10641S-305B	305m/Box
10641S-500D	500m/wooden drum