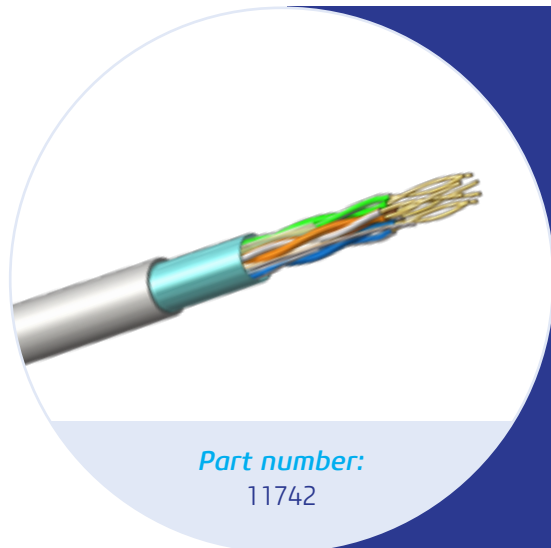


LadonX™ Category 6A

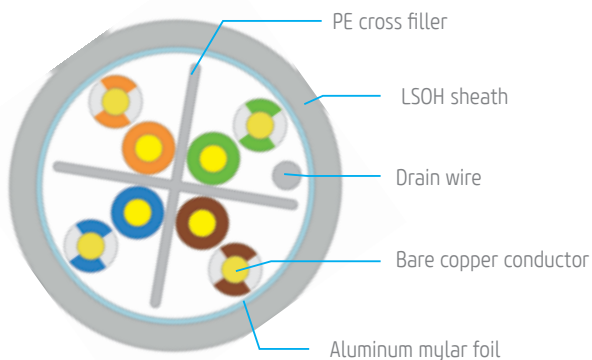
F/UTP 23AWG LSOH Jacket Data Cable



LadonX™ series Cat. 6A F/UTP LSOH data cable is well suited for 10 Gigabit Ethernet Cabling System and installation in fire safety environments. Bandwidth frequency up to 500Mhz.

Superior design of overall shielding provide excellent electromagnetic/radio frequency interference (EMI/RFI) protection and alien crosstalk suppression.

The Hermesys shielded structured cabling system comprises of shielded modular connectors, patch panels, patch cords and cables. The system is ideal for deployment in all mission-critical network systems where EMI/RFI might be of a concern.



Cross section of part number:
< Not to scale >

Features and Applications

4 pairs overall shielded with Aluminum foil provide excellent EMI protection and alien crosstalk suppression.

Available for Power Over Ethernet (POE), POE +

Data cable for structured premises cabling, digital/analogue voice, video and data signals.

RoHS Compliant

Standards

Comply

ANSI/TIA 568-C.2
ISO/IEC 11801
IEC 61156-5
EN50173-1

Flame Resistance

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

LadonX™ Category 6A

F/UTP 23AWG LSOH Jacket Data Cable

Cable Description

CONDUCTOR & INSULATION

Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Insulation Material	Foam PE
Insulation Min Thickness	0.33 mm
Insulation Diameter	1.28 ± 0.05 mm
Cross Filler	PE

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	Tinned Copper
Single Pair Shielding	N/A
Overall Shielding 1	Aluminum Foil
Overall Shielding 2	N/A
Jacket Type	LSOH
Cable Overall Diameter	7.28 ± 0.3 mm

PHYSICAL TECHNICAL DATA

Cold Bend Test	-20 ± 2°C x 4hr no. crack
Jacket Min Tension Strength (psi) Before Aging	2000
Jacket Min Elongation (%) Before Aging	100
Jacket Min Tension Strength (psi) After aging	1700
Jacket Min Elongation (%) After Aging	50
Min. Bending Radius (mm)	≥ 8 * cable diameter
Max Pulling Tension (N)	≤ 100N
Installation Temperature	-10°C to + 60°C
Operating Temperat	-10°C to + 60°C

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ELECTRICAL TECHNICAL DATA

Conductor Resistance (ohm/100m @ 20 c)	Max. 9.5
DC Resistance Unbalance (%)	Max. 4
Pair-to-ground Capacitance Unbalance (pF/Km)	Max. 1600
Input Impedance (ohm)	100 ± 15 Ω (1 to 100 MHz) 100 ± 22 Ω (101 to 250 MHz) 100 ± 25 Ω (251 to 500 MHz)

IEC 61156-5 ed 2.0 Category 6a Horizontal Cable Parameters

AT 20°C

Freq. (MHz)	Ins. Loss (dB/100m) Max	RL (dB) Min	NEXT (dB/100m) Min	PS-NEXT (dB/100m) Min	Delay Skew (ns/100m) Min	Po. Delay (ns/100) Min
1	2.1	20.0	74.3	72.3	45	552.0
4	3.8	23.0	65.3	63.3	45	547.0
10	5.9	25.0	59.3	57.3	45	545.0
16	7.5	25.0	56.2	54.2	45	543.0
20	8.4	25.0	54.8	52.8	45	542.0
31.25	10.5	23.6	51.9	49.9	45	541.0
62.5	15.0	21.5	47.4	45.4	45	540.0
100	19.1	20.1	44.3	42.3	45	539.0
200	27.6	18.0	39.8	37.8	45	538.0
250	31.1	17.3	38.3	36.3	45	537.0
500	45.3	15.2	33.8	31.8	45	535.0

Ordering information

Part Number	11742
Sheath Marking	Hermesys LadonX Cat. 6A F/UTP LSOH Data Cable P/N 11742 IEC 60332-1 ANSI/TIA 568-C.2 ISO/IEC 11801 xxxXM MMYY

Shipping information

11742-500D	500m/wooden drum
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