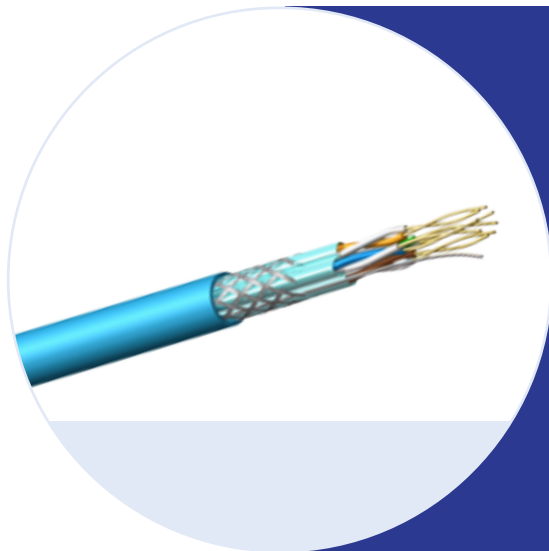


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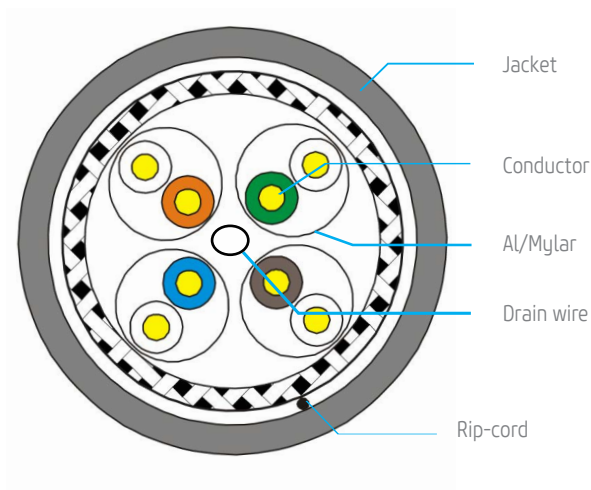
S/FTP 4Pairs LSOH Jacket Data Cable



LadonX™ series Cat. 8 S/FTP LSOH data cables have made great leaps in performance and speed. Cat8 Ethernet cable can support frequencies up to 2GHz (or 2000Mhz), which is more than twice that of Cat7.

Superior design of overall tinned copper braiding and individual pair 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 Benefits

Each single pair individually shielded with Aluminum foil.

Available for Power Over Ethernet (POE), POE +

Data cable for data center or 5G network.

RoHS Compliant.

Standards

Comply

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

Flame Resistance

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

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Cable Description

CONDUCTOR & INSULATION

Conductor Material	SOLID-Bare Copper
Conductor O.D.	0.596±0.005mm
Insulation Material	Skin-foam-skin PE
Rip-cord	Yes
Insulation Diameter	1.480±0.05 mm
Cross Filler	N/A

PAIRS

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

SHIELDED & JACKET

Drain Wire	Yes
Single Pair Shielding	Al/Mylar
Overall Shielding 1	Magnesium aluminum wire ≥40% coverage
Overall Shielding 2	N/A
Jacket Type	LSOH
Cable Overall Diameter	8.0±0.5 mm

PHYSICAL TECHNICAL DATA

Cold Bend Test	-20 ± 2°C * 4hrs no. crack
Jacket Tensile Strength (Mpa) Before Aging	≥10.0
Jacket Min Elongation (%) Before Aging	125
Jacket Tensile Strength (Mpa) After Aging	≥8.0
Jacket Min Elongation (%) After Aging	100
Min. Bending Radius (mm)	≥ 8 * cable diameter
Aging Period (°C×hrs)	100°C×24h×7d
Delay Skew (ns/100m)	≤25

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ELECTRICAL TECHNICAL DATA (20 °C)

DC Resistance (Ω /100m)	Max. 9.5
DC Resistance Unbalance (%)	Max. 2.0
unbalanced-to-ground capacitance (pf/100m)	Max. 120
Velocity of Propagation (%)	78%
Impedance(Ω)	100 $\pm$ 5 Ω @100MHz

ANSI/TIA 568.C.2-1 Category 8 Horizontal Cable Parameters

AT 20°C

Freq. (MHz)	Ins. Loss (dB/100m)	RL (dB) Min	NEXT (dB/100m)	ACRF (Min.dB)	PS-NEXT (dB/100m)	PS-ACRF (Min.dB)	TCL (Min.dB)	Po. Delay (ns/30m) Max
1	2.0	20.0	75.3	75.0	72.3	76.0	40	171.0
16	2.2	25.0	57.2	54.9	54.2	51.9	31.9	162.8
100	5.6	22.2	45.3	39.0	42.3	36.0	20.0	161.1
250	8.9	19.4	39.3	31.0	36.3	28.0	14	160.7
500	12.8	17.3	34.8	25.0	31.8	22.0	9.5	160.5
600	14.1	16.8	33.6	23.4	30.6	20.4	8.3	160.4
1000	18.6	15.2	30.3	19.0	27.3	16.0	7.0	160.3
1500	23.2	14.0	27.7	15.5	24.7	12.5	7.0	160.3
2000	27.2	13.1	25.8	13.0	22.8	10.0	7.0	160.2

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Ordering information

Sheath Marking

Hermesys LadonX Cat. 8 S/FTP LSOH Data Cable IEC
60332-1 ANSI/TIA 568-C.2 ISO/IEC 11801 xxxxM MMY

Shipping information

500m/wooden drum