

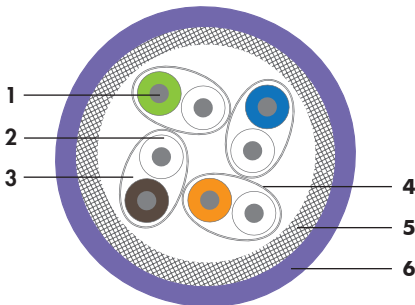


Installation Cable S/FTP Cat.7A, 1200MHz, PrimeLine

LogiLink's Category 7A high end cables are manufactured in Europe in accordance with ISO IEC 61156 requirements. It is the best choice for future proof structured horizontal cabling. These cables are ideal for LAN data transmission in all Ethernet (IEEE 802.3) applications up to 10 GBase-T and higher. The copper braid overall screen offers protection against electromagnetic interference as well as mechanical reinforcement.

Technical Specifications

- Solid Installation Cable Cat.7A 1200 MHz
- 4x2x23AWG bare copper conductor
- 4 individually screened pairs (PIMF)
- Tin plated copper braiding overall screen
- LSFZRH Jacket, violet
- Fire safety class FRNC-C according to IEC 60332-3
- Fast-, Gigabit- & 10 Gigabit Ethernet
- ISO/IEC 11801, EN 50173-1, IEC 61156-5



1. **Conductor:** 100% copper solid wire
2. **Insulation:** PE compound
3. **Twisting:** 2 cores twisted in a pair
4. **Individual Screen:**
Overlapped laminated aluminium foil
5. **Overall Screen:**
Braiding of tinned copper wires
6. **Outer jacket:** LSOH compound

Part no.	Length (m)	Packaging
CQ6100S	100	Reel
CQ6200S	200	Reel
CQ6500S	500	Bobbin
CQ6000S	1000	Bobbin
CQ6100D	100 (Duplex)	Reel
CQ6500D	500 (Duplex)	Bobbin

Cable type	Dimension	Sheath	Sheath Color	Outer diameter (mm)	Cable weight (kg/km)
Simplex	4x2x23 AWG	LSOH	Violet	7.6	59.0
Duplex	2x (4x2x23 AWG)	LSOH	Violet	7.6x15.5	121.0

Operation Conditions

	Static	Dynamic
Temperature range (Indoor)	-20°C to +60°C	0°C to +50°C
Bending radius	Static 4 x D	Dynamic 8 x D
Fire behaviour Pro LSOH cable	IEC 60332-3-24, IEC 60754-2, IEC 61034	



* The specifications and pictures are subject to change without notice.
*All trade names referenced are the registered trademark of their respective owners.

Basic Transmission Characteristics (20°C)

Frequency MHz	Attenuation dB/100m		NEXT dB		ELFEXT dB		Return loss dB	
	Cat 7E max.	Typical value	Cat 7E max.	Typical value	Cat 7E max.	Typical value	Cat 7E max.	Typical value
4	3.5	3.4	75	110	78.0	105	23.0	28
10	5.4	5.0	75	110	74.0	105	25.0	33
16	6.8	6.6	75	110	70.0	102	20.0	33
31.25	9.6	9.4	75	110	64.0	96	23.6	32
62.5	13.7	13.4	75	110	58.0	96	21.5	31
100	17.5	17.2	73	110	54.0	96	20.0	33
200	25.3	24.2	68	110	48.0	91	18.0	32
300	31.5	30.4	66	110	44.0	86	17.3	29
600	46.3	44.0	61	106	38.0	76	17.3	26
900	58.3	53.6	59	105	35.0	55	15.5	24
1000	62.0	56.1	58	91	34.0	52	15.5	23
1200	-	61.4	-	90	-	49	-	23

Basic Electrical Characteristics (20°C)

- DC Conductor Resistance: $\leq 65 \text{ Ohm/km}$
- Insulation Resistance: $\geq 5000 \text{ M}\Omega\text{km} / 500 \text{ VDC}$
- Mutual Capacitance: $\leq 43 \text{ nF/km} / 1.0 \text{ KHz}$
- Capacitance pair to ground: $\leq 1500 \text{ pF/km} / 1.0 \text{ KHz}$
- Characteristic Impedance: $100 \pm 7\% \Omega / 1\text{-}100 \text{ MHz}$;
 $100 \pm 10\% \Omega / 100\text{-}250 \text{ MHz}$;
 $100 \pm 15\% \Omega / 250\text{-}600 \text{ MHz}$
- Fitted Impedance: $100 \pm 5 \Omega$ at 100 MHz
- Velocity of Propagation: 79 % nom.
- TCL: min $50\text{-}10 \times \log(f)$ at 1 to 250 MHz
- Dielectric Strength: 1000 Volts / 1 minute DC
- Transfer Impedance: $< 7 \text{ m}\Omega\text{/m}$ at 10 MHz

Identification Color Coding

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

Sheath Marking

"LOGILINK S/FTP 4x2x23 AWG Cat7E 1200 MHz LSOH in accordance with ISO/IEC 11801/ EN 50173 + IEC61156-5 – Length m".



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