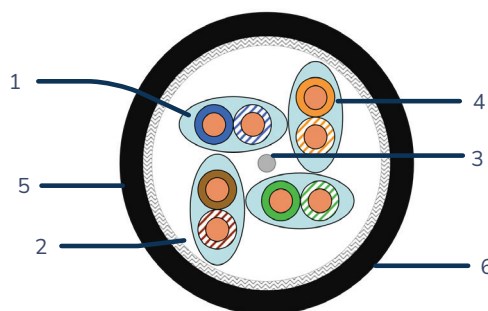
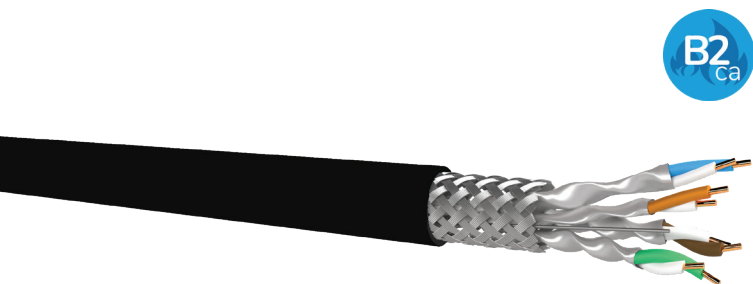


KCSF6A4PZH1B2

Cat6a cable S/FTP LSZH SHF1 B2ca 4 pairs



UNIK ✓

- ✓ Compliant to ISO 11801 Class Ea
- ✓ Jacket LSZH B2ca EN50575
- ✓ Fire resistance IEC 30331-23
- ✓ UV & Oil resistance

1. Conductor : AWG23
2. Insulation : Skin foam skin PE
3. Drain wire : Tinned copper
4. Shielding : Al/Pes foil
5. Braiding : Tinned copper
6. Jacket : LSZH SHF1 Black RAL 9005

THE PURPOSE

Unikkern's Cat6a screened S/FTP LSZH Cable exceeds ISO and TIA standards, delivering excellent Class EA link and channel performance for diverse indoor and outdoor applications.

Featuring 4 individually wrapped pairs shielded by high-quality aluminium/polyester foil tape, each Category 6a cable ensures efficient screening.

These pairs are carefully assembled with varying lay lengths, optimizing performance. An overall braid screen provides additional noise immunity and minimizes cross talk risks.

The black LSZH SHF1 jacket offers excellent UV resistance and reliable protection against hydrocarbons.

COMPLIANCE

Cable	System	Applications
IEC 60156-5:2020 Cat6a	ISO/IEC 11801-1:2017 Class Ea	IEEE 802.3 : 10G BASE T
		IEEE 802.3 POE : Type 1 to 4, up to 90w

THE STRUCTURE

Conductor : Solid copper awg23

Insulation : Skin foam skin 1.30+/- 0,05mm

Color coding : Blue/White-blue, Orange/white-orange, Green/White-green, Brown/White-brown

Assembly : Individual and overall shielding made of aluminium/Polyester foil

Shielding : Tinned copper braid min. coverage 22%

Jacket : LSZH SHF1 black RAL 9005

Marking : UNIKKERN DATA CABLE S/FTP CAT6a 4 PAIRS AWG23 100OHM 650MHZ NVP 76% EN50575 B2ca

Certified SGS 21WWYY- IEC 61156-5/ISO11801/TIA-EIA 568.2-D CE UV LSZH SHF1xxxxxxM



KCSF6A4PZHF1B2

Cat6a cable S/FTP LSZH SHF1 B2ca 4 pairs



TECHNICALITIES

Loop resistance (DC max) at 20°C : 93.8 Ω/Km

Insulation resistance (min) : 5 GΩ*Km

Mutual capacitance : 56+/- 5 nF/Km

Capacitance unbalance at 1khz (pair to ground) : 1600 pF/Km

Resistance unbalance (pair to pair) : 2%

Nominal voltage : 72V / Voltage Test : AC 50hz : 700V / DC : 1000V

Characteristic Impedance at 100 Mhz : 100 ohms+/- 5%

Nominal velocity propagation : 75%

Halogen acid gas, degree of gas acidity: IEC 60754-1/2

Sheath and insulation material: IEC 60092-360

Smoke emission: IEC 61034-1/2

Fire resistance: IEC 60331

Flame retardant: IEC 60332-3-22

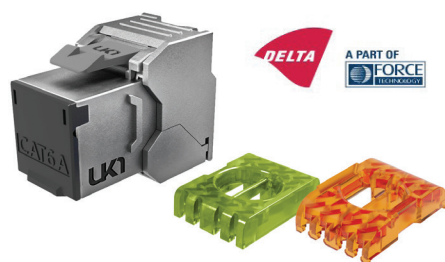
UV resistant: UL1581

F (MHz)	IL (dB)	RL (dB)	Next (dB)
4	3.8	23.0	66.3
10	5.9	25.0	63.3
16	7.5	25.0	57.2
25	9.4	25	54.3
31.25	10.5	23.6	52.9
100	19.1	20.1	45.3
200	27.6	18	40.8
250	31.1	17.3	39.3
300	34.3	17.3	38.1
400	40.1	17.3	36.3
500	45.3	17.3	34.8

PURCHASE INFO

Category	Shielding	Item	Designation	Diameter (nom)	Weight (Kg/Km)	Packing
Cat6a	S/FTP	KCSF6A4PZHF1B2	Cat6a cable S/FTP LSZH SHF1 B2ca 4 pairs	7.6mm	53	D500M

EXTRAS



KJ6AFSHQEF

Cat6a RJ45 keystone jack shielded
toolless certified



KJPP1UBCTEF

24 port unloaded patch panel 1U

