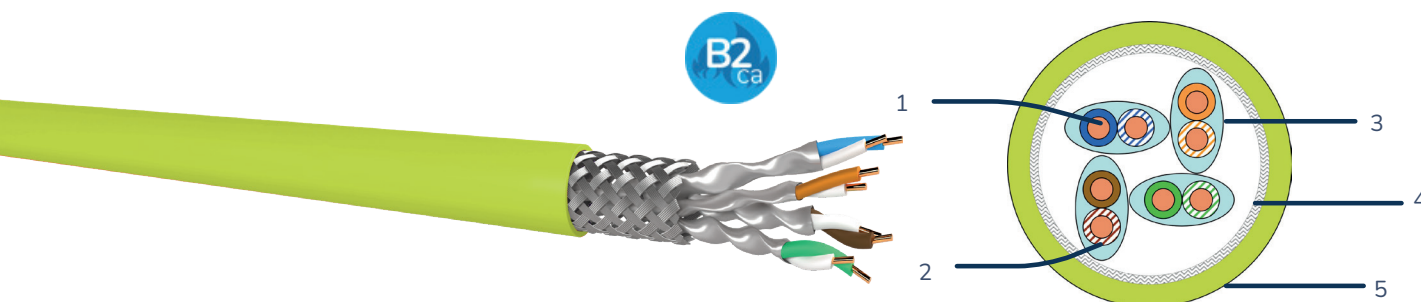


KCSF84PZHB2

Cat8 S/FTP LSZH B2ca Cable 4 pairs



UNIK ✓

- ✓ Compliant with ISO 11801 Ed3 Class I
- ✓ LSZH B2ca jacket EN50575
- ✓ Tested up to 2GHz

1. Conductor : AWG22
2. Insulation : Skin foam skin
3. Shielding : Al/Pes tape

4. Braid : Tinned copper
5. Jacket : LSZH Lime green RAL 6039

THE PURPOSE

The UKN CAT8 S/FTP LSZH B2Ca cable is engineered for high-speed data transmission in demanding environments such as data centers and enterprise networks. Featuring a 4-pair 22 AWG solid bare copper conductor, each pair is individually shielded with foil (S/FTP), and an overall braid shield ensures superior protection against electromagnetic interference (EMI) and crosstalk.

Compliant with international standards including ISO/IEC 11801 Class I and ANSI/TIA-568.2-D, this cable supports bandwidths up to 2000 MHz, facilitating 25GBASE-T and 40GBASE-T Ethernet applications over distances up to 30 meters. The Low Smoke Zero Halogen (LSZH) jacket meets B2Ca-s1a,d1,a1 fire performance classifications, ensuring enhanced safety by reducing toxic smoke emissions in case of fire.

Designed for both current and future network requirements, the UKN CAT8 cable is backward compatible with previous Ethernet standards, providing flexibility and scalability. It supports Power over Ethernet (PoE) applications, including PoE, PoE+, and PoE++, delivering up to 100 watts of power, making it suitable for powering devices such as wireless access points, IP cameras, and VoIP phones.

COMPLIANCE

Standard cable

IEC 601156-9 Cat8.1
IEC 60332-1

System

ISO 11801 Ed Class I
TIA568.2-D Cat8

Applications

IEEE 802.3 : 25G BASE T/ 40G Base T
IEEE 802.3 bt : Type 1 to 4 up to 90w

THE STRUCTURE

Conductor : Solid copper AWG22

Insulation : Solid polyethylene 1.56+/- 0,46mm

Color code : Blue/White, Orange/White, Green/White, Brown/White

Assembly : Individual shielding with aluminum/polyester foil

Shielding : Tinned copper braid with a minimum coverage of 30%

Jacket : LSZH Lime Green RAL6039

Marking : UNIKKERN DATA CABLE S/FTP CAT8 4 PAIRS AWG22 100OHM 2000MHZ NVP 78% EN50575 B2ca
Certified SGS 21WWYY- IEC 61156-9/ISO11801 CE LSZH xxxxxxM



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TECHNICALITIES

Loop resistance (max.) à 20°C : 93.8 Ω/km

Insulation resistance (min.) : 5 GΩ/km

Mutual capacitance : 56 +/- 5 nF/km

Capacitance unbalance at 1 kHz (pair-to -ground) : 1600 pF/km

Resistance unbalance (pair to pair) : 2%

Nominal voltage : 72V

Voltage test (1Min) : AC 50Hz : 750V / DC : 1000V

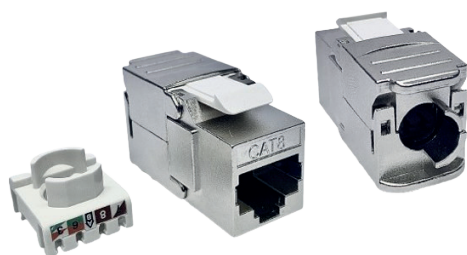
Characteristic impedance at 100 MHz : 100 ohms +/- 15%

Nominal velocity of propagation : 78%

PURCHASE INFO

Category	Shielding	items	Designation	Diameter (nom)	Weight (Kg/km)	Packaging
Cat8	S/FTP	KCSF84PZHB2LI5	4 pair Cat8 cable S/FTP AWG22 LSZH B2ca	8.5mm	59	D500M

EXTRAS



KJ8AFSHQEF

Keystone jack Cat8 RJ45 fully shielded 360° toolless



KJPP1UBMCTEF

Patch panel full metal 1U 24 ports user friendly T shape

