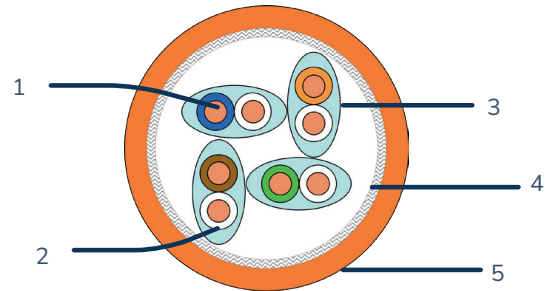


# KCSF7xPZHB2

Cat7 S/FTP LSZH B2ca Cable 4 pairs



## UNIK ✓

- ✓ Compliant with ISO 11801 Class F
- ✓ Certified by ETL INTERTEK
- ✓ LSZH B2ca jacket EN50575
- ✓ Tested up to 1GHz

- 1. Conductor : AWG23
- 2. Insulation : Expanded SFS PE
- 3. Shielding : Al/Pes tape
- 4. Braid : Tinned copper
- 5. Jacket : LSZH Orange RAL 2003

## THE PURPOSE

Unikkern offers a Cat7 S/FTP LSZH, B2ca cable that exceeds ISO and TIA standards, providing excellent performance for various applications and benefiting from top-tier electromagnetic immunity. This cable contains 4 pairs, each pair protected by a high-quality aluminum/polyester tape, ensuring robust interference protection. The wire pairs are carefully twisted with different pitches to optimize performance. Finally, an additional overall braid provides noise protection and reduces the risk of crosstalk between pairs.

## COMPLIANCE

Standard cable	System	Applications
IEC 60156-5:2020 Cat7	ISO/IEC 11801-1:2017 Class F	IEEE 802.3 : 10G BASE T IEEE 802.3 POE : Type 1 to 4 up to 90w

## THE STRUCTURE

- Conductor** : Solid copper AWG23
- Insulation** : Solid polyethylene 1.27+/- 0,05mm
- 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 Orange RAL2003
- Marking** : UNIKKERN DATA CABLE S/FTP CAT7 x PAIRS AWG23 100OHM 600MHZ NVP 78% EN50575 B2ca  
Certified SGS 21WWYY- IEC 61156-5/ISO11801 CE LSZH xxxxxxM



[www.unikkern.com](http://www.unikkern.com)

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## TECHNICALITIES

Loop resistance (max.) à 20°C : 94 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 +/- 5%

Nominal velocity of propagation : 78%

F (MHz)	IL (dB)	RL (dB)	Next (dB)
4	3,7	23,0	78,0
10	5,9	25,0	78,0
16	7,4	25,0	78,0
20	8,3	24,3	78,0
31,25	10,4	23,6	78,0
62,5	14,9	21,5	75,5
100	19,0	20,1	72,4
200	27,5	18,0	67,9
250	31,0	17,3	66,4
300	34,2	17,3	65,2
500	45,3	17,3	61,9
600	50,1	17,3	60,7

## PURCHASE INFO

Category	Shielding	items	Designation	Diameter (nom)	Weight (Kg/km)	Packaging
Cat7	S/FTP	KCSF74PZHB2OR5	4 pair Cat7 cable S/FTP AWG23 LSZH B2ca	7.4mm	57	D500M

## EXTRAS



### KJ6AFSHQEF

Shielded Cat6a RJ45 keystone certified toolless



### KJPP1UBCEF

Unloaded patch panel 24 ports 1U

