

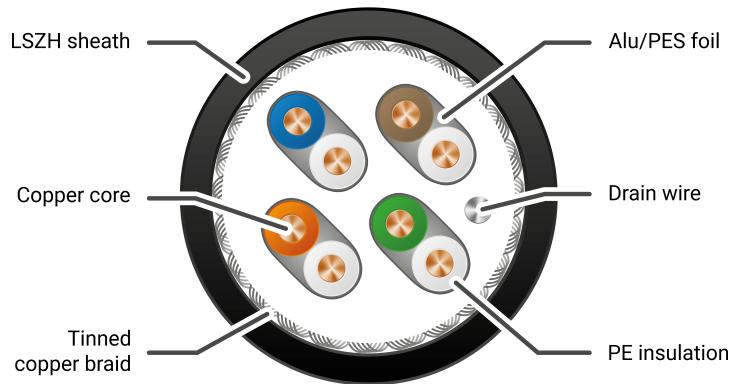
SF5004SHNB25

**CAT6A S/FTP 1x4P Black LSZH sheath  
B2ca Cable – Drum of 500m**



## DESCRIPTION

The SF5004SHNFC1 cable, suitable for horizontal or vertical installation, is essential for a very high-speed V.D.I. network. With a CPR class B2ca rating, it is appropriate for sensitive applications requiring a high level of fire protection. Its double S/FTP shielding ensures high electromagnetic immunity (>80 dB). It exceeds current standards, representing an investment for future network applications.



## ADVANTAGES

- Very high electromagnetic immunity
- Available in high CPR level : B2ca s1a, d1, a1



## CONSTRUCTION & TECHNICAL PERFORMANCE

Core gauge	AWG23
Assembly type	Pairs
Shielding description	Tinned copper braid
Outer Sheath Material	LSZH
Color	Purple RAL 4001
Minimum diameter of the outer sheath (mm)	7.1
Ø SHEATH NOM (mm)	7.6
Ground drain presence	No
Shielding type	S/FTP
Insulation Color Code	Blue and White blue or White – Orange and White orange or White – Green and White green or White – Brown and White brown or White
Minimum Insulation Diameter (mm)	1,20
Maximum Insulation Diameter (mm)	1,30
Diameter over Insulation	1,25

## ELECTRICAL CHARACTERISTICS

Loop resistance	137.0
Minimum insulation resistance	> 5000 MΩ x km
Linear electrical resistance (Ω/Km)	69
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

## TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	80
Delay skew	< 30
Unbalance resistance	< 2
Propagation speed (%)	78
Segregation Class	D
Performance Category	Category 6A
Data Transmission Standard	EIA/TIA 568-C.2 Cat6A, EN 50173-1: 2011 Classe Ea, ISO 11801 Ed.3 Classe Ea
Characteristic Impedance (Ohms)	100

## MECHANICAL CHARACTERISTICS

Cable Copper Weight (kg/km)	0.0280
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**MECHANICAL CHARACTERISTICS**

Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext

**ENVIRONMENTAL CHARACTERISTIC**

CPR classification	B2ca s1a, d1, a1
Fire Standard	IEC 60332-1
Smoke emission	IEC 61034-1 & -2
Gas emission	IEC60754-2
RoHS Compliance	Compliant with the RoHS directive
Component Standard	IEC 61156-5 Cat6A

**ADDITIONAL INFORMATION**

Minimum Cut	0.0000
REF	SF5004SHNB25
Maximum E-commerce Drop	0.0000
SKU Collection Photo	SF5004SHNB2_HD
Cross-section Diagram Photo	SF5004SHNB25_COUPE_EN_HD
Model Cross-section Diagram Photo	SF5004SHNB25_COUPE_EN_HD
Pictogram	4p_poe
Model Collection Photo	SF5004SHNB2_HD
Product Range	Multimedia Connect
Product Packaging	Drum of 500m