SGB4BSH

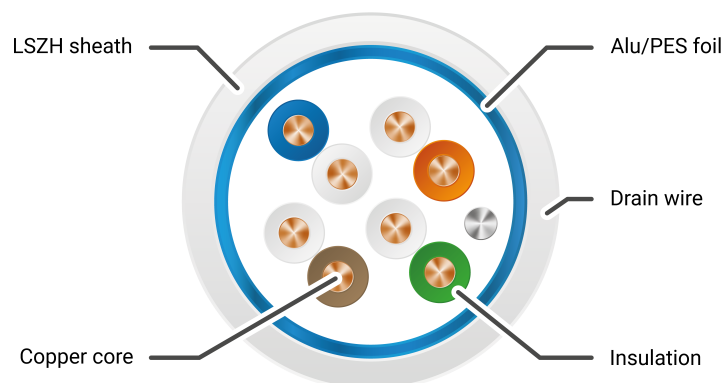## CAT5E F/UTP 1x4P LSZH Cable Reel in box 305m

DESCRIPTION

The SGBxSH cable, F/UTP screened, is used in horizontal or vertical configurations. It forms the basis of a high-speed V.D.I. (Voice-Data-Image) network, supporting up to 1 Gbps. Its overall shielding allows use in electrically noisy environments and ensures proper operation up to 100 MHz. This cable is used for transmission of digital and analog signals for voice, data transmission and video links.

LSZH sheath — Alu/PES foil

— Drain wire

Copper core — Insulation

ADVANTAGES

• Exceed standard specifications
• Flame retardant

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Updated: 1/02/2026

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CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	SGBxyyyySHz
Core gauge	AWG24
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	LSZH
Color	Grey RAL 7035
Nom. diameter of the outer sheath (mm)	5.7
Ground drain presence	No
Shielding type	F/UTP
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
Nominal insulation diameter (mm)	1,01

ELECTRICAL CHARACTERISTICS

Loop resistance	187
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	93
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	65
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	66
Performance Category	Category 5E
Data Transmission Standard	EIA/TIA 568-C.2 Cat5E, EN 50173-1: 2011 Classe D, ISO / IEC 11801 Ed3 Class D
Characteristic Impedance (Ohms)	100
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	8 x Ø ext

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MECHANICAL CHARACTERISTICS

Bending Radius in Mobile Installation	15 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Dca s2, d2, a2
Fire behaviour	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 Cat5E

ADDITIONAL INFORMATION

Product Packaging	Reel in Box of 305m
Weight (Kg)	13.33