

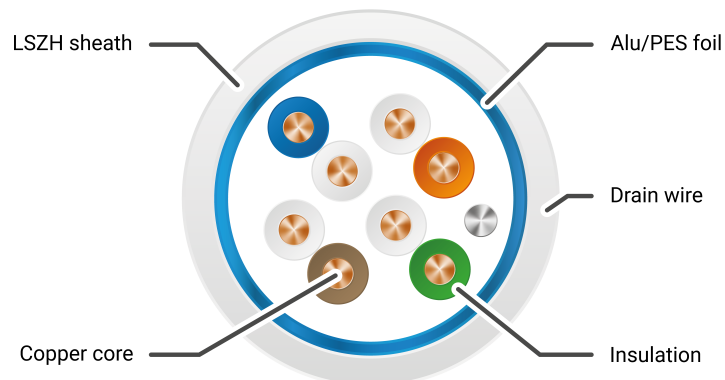
SGB41SH

CAT5E F/UTP 1x4P LSZH Cable Coil of 100m



DESCRIPTION

SGBxSH cable, shielded F/UTP is used in horizontal or vertical configuration. It forms the basis of a Voice, Data and Video broadband network, up to 1Gbps. Its general shielding makes it possible to use in environments with interference and provides good operation up to 100 MHz. This cable is used in digital and analog signal transmission for voice, data transmission and video links.



ADVANTAGES

- Exceed standard specifications
- Flame retardant



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
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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	Coil of 100m
Weight (Kg)	0.035