

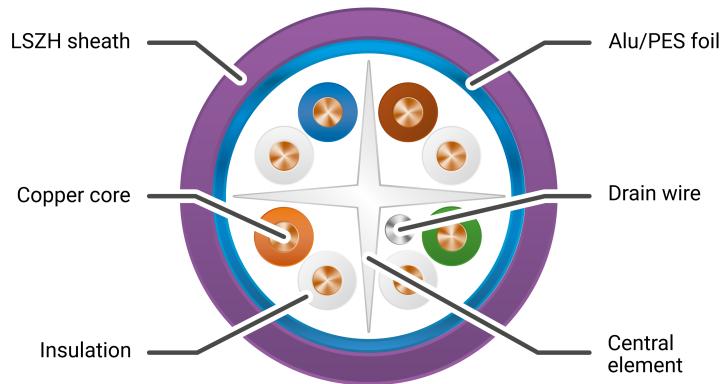
FU5104SHC5

**CAT6A F/UTP 1x4P 510 MHz LSZH Cca
cable Drum of 500m**



DESCRIPTION

The CAT6A F/UTP FU510xSHC cable is used for shielded cabling solutions in horizontal or vertical configurations. Its performance exceeds the limits imposed by the cabling standards thanks to a suitable construction and a shielding quality that ensures a high transmission rate at a low error rate even at high frequencies, up to 510 MHz. The general shielding offers a high electromagnetic immunity: coupling attenuation > 65 dB. The cable has a CPR level Cca s1 d1 a1.



ADVANTAGES

- Tested up to 510 MHz
- Electrical supply of equipments (camera, hotspot wifi, IP phone ...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Core gauge	AWG23
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	LSZH
Color	Purple RAL 4001
Minimum diameter of the outer sheath (mm)	6.5
Ø SHEATH NOM (mm)	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
Minimum Insulation Diameter (mm)	1,08
Maximum Insulation Diameter (mm)	1,12
Diameter over Insulation	1,1

ELECTRICAL CHARACTERISTICS

Loop resistance	154.0
Minimum insulation resistance	> 5000 MΩ x km
Linear electrical resistance (Ω/Km)	77
Service Voltage (V)	250
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	65
Delay skew	< 30
Unbalance resistance	< 2
Propagation speed (%)	66
Segregation Class	C
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

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Cca s1, 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	FU5104SHC5
Maximum E-commerce Drop	0.0000
SKU Collection Photo	fu5104shcx_hd
Cross-section Diagram Photo	FU5104SHx_COUPE_EN_HD
Model Cross-section Diagram Photo	FU5104SHx_COUPE_EN_HD
Pictogram	510_mhz
Model Collection Photo	fu5104shcx_hd
Product Range	Multimedia Connect
Product Packaging	Drum of 500m