

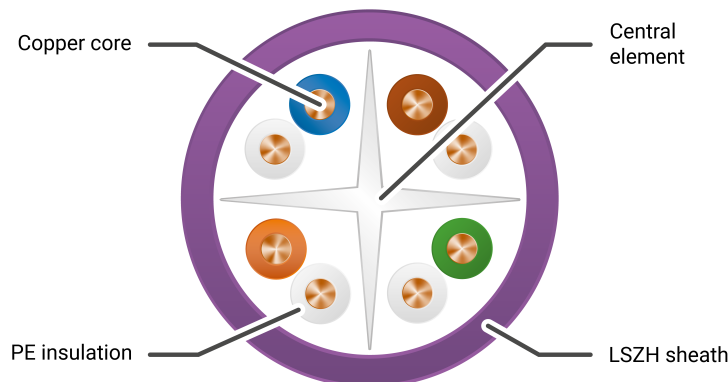
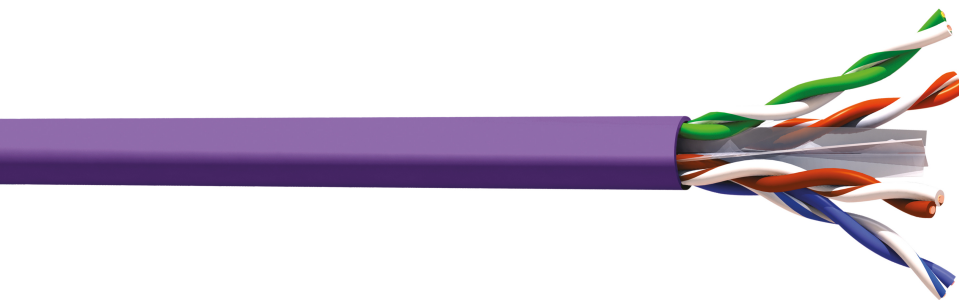
U500L4SH5

**CAT6A U/UTP 1x4P 500 MHz LSZH Dca  
cable - Drum of 500m**



## DESCRIPTION

The U500LxSH cable can be used in unshielded structured cabling systems for horizontal or vertical configurations. Its performance exceeds the limits of common standards thanks to its excellent high-speed performance and transmission up to 500 MHz. The specific internal cross and its irregular inner diameter help reduce the proximity effect and prevent Alien Crosstalk.



## ADVANTAGES

- Link compliant ISO 11801 Ed2.2 Classe Ea
- Available in high CPR level : up to Cca
- Small diameter



**CONSTRUCTION & TECHNICAL PERFORMANCE**

Product Type	U500LxSHyyyyz
Core gauge	AWG23
Assembly type	Pairs
Outer Sheath Material	LSZH
Color	Purple RAL 4001
Nom. diameter of the outer sheath (mm)	6
Ground drain presence	No
Shielding type	U/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

**ELECTRICAL CHARACTERISTICS**

Loop resistance	165
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	83
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

**TRANSMISSION CHARACTERISTICS**

Coupling attenuation (dB)	65
Delay skew	< 30
Unbalance resistance	< 2
Propagation speed (%)	66
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
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

**MECHANICAL CHARACTERISTICS**

Bending Radius in Fixed Installation	8 x Ø ext
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 Cat6A

## ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
Weight (Kg)	0.035