

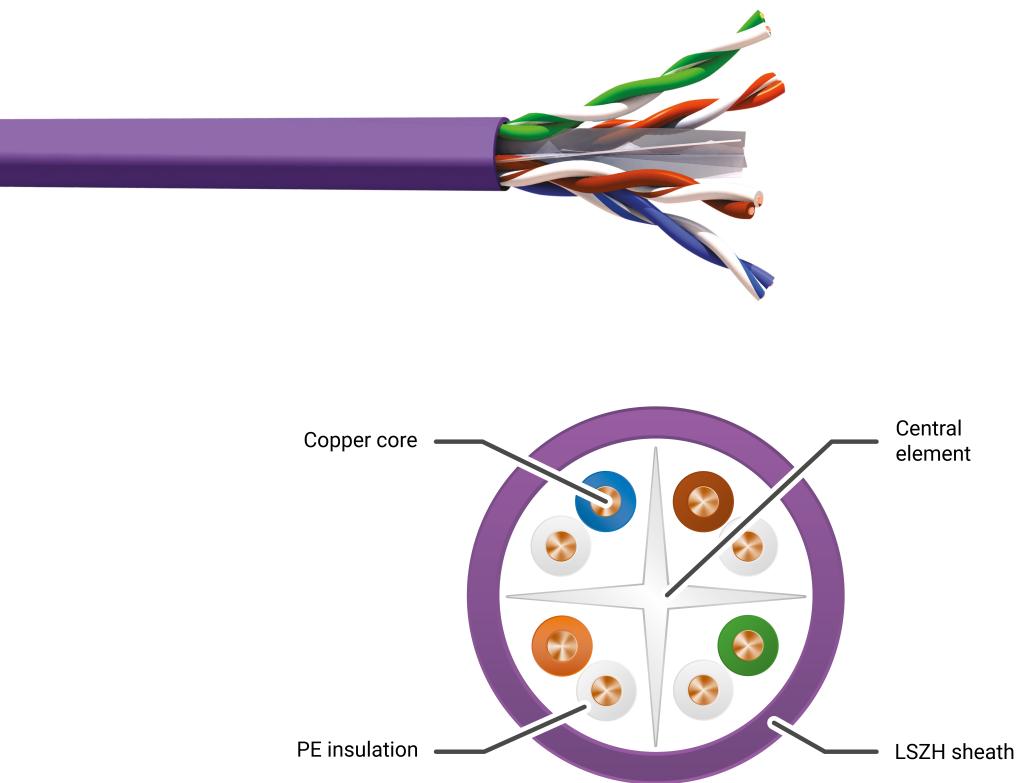
U500L4SHC5

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



## DESCRIPTION

The U500LxSHC cable can be used in unshielded structured cabling systems for horizontal or vertical deployment. Its performance exceeds the limits of common standards thanks to its excellent high-speed capability and transmission up to 500 MHz. The specific internal cross and its irregular inner diameter help reduce the proximity effect and prevent Alien Crosstalk. This cable is declared Cca s1,d1,a1 according to CPR EN 50575.



## ADVANTAGES

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



## CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	U500LxSHCyyyyz
Core gauge	AWG23
Core Composition	AWG23
Assembly type	Pairs
Outer Sheath Material	LSZH
Color	Purple RAL 4001
Minimum diameter of the outer sheath (mm)	6.2
Ø SHEATH NOM (mm)	6.5
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
Minimum Insulation Diameter (mm)	0,95
Maximum Insulation Diameter (mm)	1,05
Diameter over Insulation	1

## ELECTRICAL CHARACTERISTICS

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

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**MECHANICAL CHARACTERISTICS**

Cable Copper Weight (kg/km)	0.0200
Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext

**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	U500L4SHC5
Maximum E-commerce Drop	0.0000
SKU Collection Photo	u500l4sh_hd
Cross-section Diagram Photo	U500LxSH_COUPE_EN_HD
Model Cross-section Diagram Photo	U500LxSH_COUPE_EN_HD
Pictogram	10_gbits
Model Collection Photo	u500l4sh_hd
Product Range	Multimedia Connecct
Product Packaging	Drum of 500m