

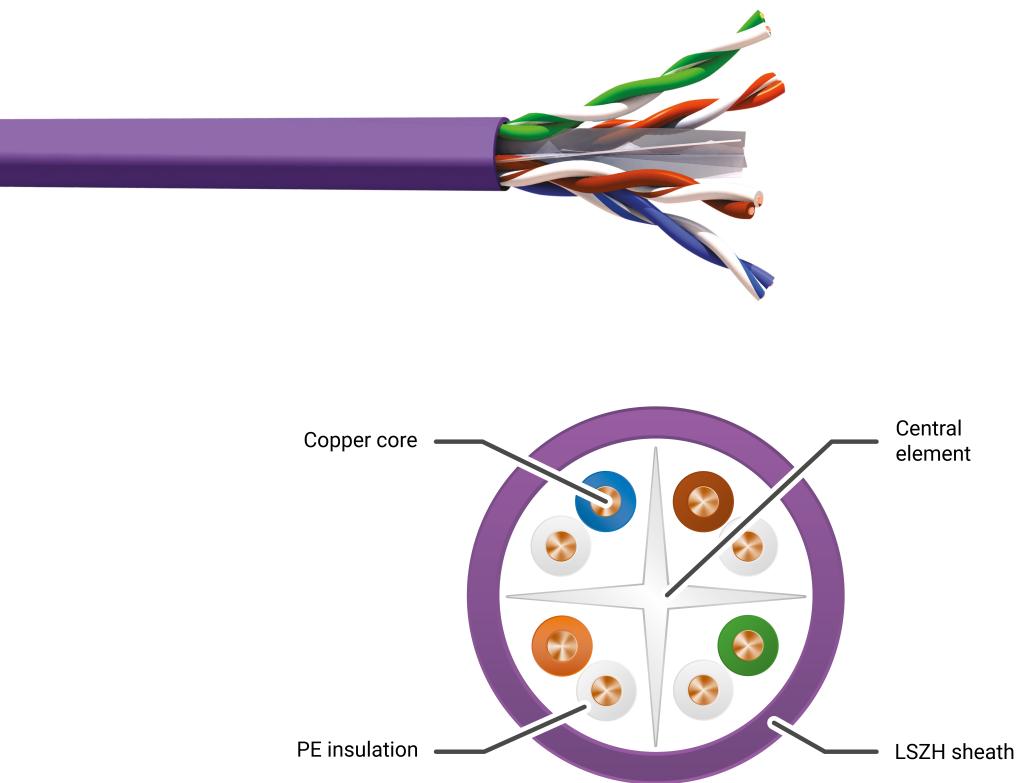
U500L4SH5

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