

UC500 23 Cat.6A U/UTP

Standard, Solid, LSZH

Construction

Conductor	Bare copper wire \varnothing 0.56 mm (AWG23/1)
Insulation	PE, Nom. \varnothing 1.03 mm
Sheath	LSZH
Sheath colour	PVC : BLUE; LSZH : BLUE
Outer Diameter	Nom. 8.6 mm
Weight	Nom. 56 kg /km

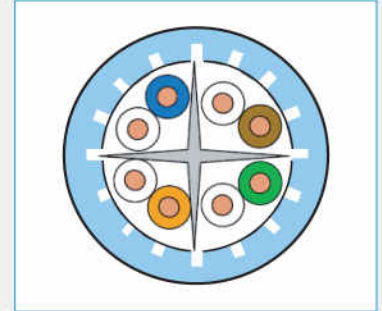
Mechanical properties

Minimum bending radius without load	8 x Diameter
Minimum bending radius with load	8 x Diameter
Temperature range during operation	-10°C up to +60°C
Temperature range during installation	-10°C up to +60°C

Electrical properties at 20°C

Loop resistance	$\leq 165 \Omega$ /km
Resistance unbalance	$\leq 2\%$
Insulation resistance (500 V)	$\geq 5000 M\Omega km$
Mutual Capacitance at 800 Hz	Nom. 50 nF /km
Capacitance unbalance (pair to ground)	$\leq 1500 pF$ /km
Mean Characteristic impedance 100 MHz	$(100 \pm 5) \Omega$
Nominal velocity of propagation	Nom. 65 %
Propagation delay	Nom. 535 ns /100m
Delay skew	Nom 45 ns /100m
Test voltage (DC, 1 min)	Nom. 1000 V
Coupling Attenuation	$\geq 40dB$

- All above stated values are nominal and subject to changes.
- For more details on electrical properties please request for datasheet.



Application

Primary (Campus)

Secondary (Riser)

Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T;

1000Base-T;

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EIA/TIA 568C;

ISO/IEC 11801 2nd ed.; IEC 61156-5

EN 50173; EN 50288-3-1

Flame resistance

LSZH IEC 60332-1; IEC 60754;

IEC 61034

LSFRZH IEC 60332-3-24

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60025517	80075	UC 500 Cat 6a U/UTP 23 AWG LSZH	500m/reel
TBA	80048	UC 500 Cat 6a U/UTP 23 AWG LSFRZH	500m/reel