

UC400 S23 Cat. 6 U/FTP

Premium, Solid, LSZH

Construction

Conductor	Bare copper wire \varnothing 0.57 mm (AWG23)
Insulation	PE, Nom. \varnothing 1.0 mm
Sheath	LSZH
Sheath colour	Blue
Pair Screen	High Performance STP: Al-laminated plastic foil, patented wrapping of two pairs each, drain wire AWG 26 tinned
Outer Diameter	Nom. 6.5 mm
Weight	Nom. 41 kg /km

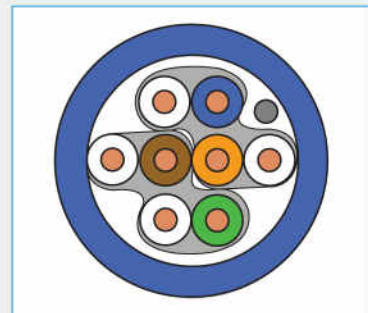
Mechanical properties

Minimum bending radius without load	≥ 35 mm
Minimum bending radius with load	≥ 70 mm
Temperature range during operation	-20°C up to +60°C
Temperature range during installation	0°C up to +50°C

Electrical properties at 20°C

DC loop resistance	$\leq 176 \Omega$ /km
Resistance unbalance	$\leq 2\%$
Insulation resistance (500 V)	$\geq 2000 M\Omega$ *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance unbalance (pair to ground)	≤ 1500 pF /km
Characteristic impedance 1- 100 MHz	(100 \pm 15) Ω
Characteristic impedance 100- 250 MHz	(100 \pm 18) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 427 ns /100m
Delay skew	Nom. 12 ns /100m
Test voltage (DC, 1 min) Core/Core	Nom. 1000 V
Coupling Attenuation	≥ 55 dB

- 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

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011510	11510	UC 400 Cat 6 S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel