

UC500 S23 Cat.6A U/FTP

Premium, Solid, LSZH

Construction

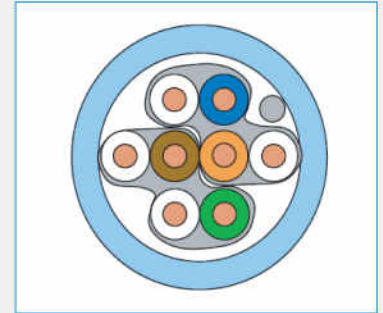
Conductor	Bare copper wire \varnothing 0,56 mm (AWG23)
Insulation	PE, Nom. \varnothing 1,35 mm
Sheath	LSZH
Sheath colour	BLUE
Pair Screen	Patented High Performance Pair Screen wrapping of two pairs
Outer Diameter	Nom. 6,9 mm
Weight	Nom. 45 kg /km

Mechanical properties

Minimum bending radius Installation	8 x D
Minimum bending radius Installed	4 x D
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 Ω /km
Resistance unbalance	\leq 2%
Insulation resistance (500 V)	\geq 2000 M Ω *km
Capacitance at 800 Hz	Nom. 43 nF /km
Capacitance unbalance (pair to ground)	\leq 1500 pF /km
Characteristic impedance 1- 100 MHz	(100 \pm 15) Ω
Characteristic impedance 1-100 MHz	(100 \pm 18) Ω
Nominal velocity of propagation	Nom. 79 %
Propagation delay	Nom. 450 ns /100m
Delay skew	Nom. 15 ns /100m
Test voltage (DC, 1 min) Core/Core	Nom. 1000 V
Coupling Attenuation	\geq 55dB



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 568-C;

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
60011113	11113	UC 500 Cat 6a S23 U/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel