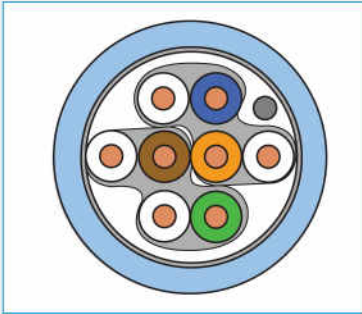


UC500 AS23 Cat.6A F/FTP

Premium, Solid, LSZH



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

Construction

Conductor	Bare copper wire \varnothing 0.56 mm (AWG23)
Insulation	Foamskin PE, Nom. \varnothing 1.35 mm
Sheath	LSZH
Sheath colour	BLUE
Pair Screen	Patented High Performance Pair Screen wrapping of two pairs
Overall Screen	Advanced screen: Al-laminated plastic foil, drain wire AWG26 tinned
Outer Diameter	Nom. 7.1 mm
Weight	Nom. 47 kg /km

Mechanical properties

Minimum bending radius without load	\geq 35 mm
Minimum bending radius with load	\geq 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 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 5) 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 and core/screen	Nom. 1000 V
Transfer impedance	At 1 MHz; \leq 20m Ω / m At 10 MHz; \leq 50m Ω / m At 30 MHz; \leq 100m Ω / m
Coupling Attenuation	\geq 55dB

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60011268	11268	UC 500 Cat 6a AS23 F/FTP 23 AWG, Patented 2 pairs foil, LSZH	500m/reel