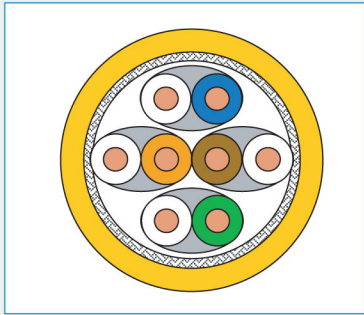


UC1200 SS23 Cat.7_A S/FTP

Standard, Solid, LSZH



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; IEEE 802.5
ISDN, TPDDI, ATM, CATV,
Broadband Vide

Standards

EN 50173-1; ISO/IEC 11801;
IEC61156-5; EN 50288-9-1

Flame resistance

LSFRZH IEC 60332-3-24

Construction

Conductor	Bare copper wire \varnothing 0.58 mm (AWG23/1)
Insulation	Foam-Skin PE, \varnothing 1.4 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil around each pair
Cable lay up	4 pairs
Screen	Copper braid, tinned
Sheath	Halogen free, flame and fire retardant sheathing material: LSFRRH (LSFR0H), yellow, (RAL 1028)

Mechanical properties

Bending radius	without load	4 x D
	with load	8 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

Electrical properties at 20°C \pm 5°C

Loop resistance		\leq 135 Ω /km	
Resistance unbalance		\leq 2%	
Insulation resistance	(500 V)	\geq 5000 M Ω *km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	\leq 1500 pF/km	
Mean characteristic impedance	@ 100 MHz	(100 \pm 5) Ω	
Nominal velocity of propagation		ca. 76 %	
Propagation delay		439 ns/100m	
Delay skew		12 ns/100m	
Test voltage	(DC, 1 min) core/core and core/screen	1000 V	
Transfer impedance	bei 1 MHz	\leq 5 m Ω /m	Grade 1
	bei 10 MHz	\leq 5 m Ω /m	Grade 1
	bei 30 MHz	\leq 10 m Ω /m	Grade 1
Coupling attenuation		\geq 85 dB	Type 1
Segregation classification acc. EN 50174-2			„D“

Ordering Information

SAP IC	UC P/N	Product Description	P.U
60015755	92048	UC 1200 SS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSFRRH	500m/reel