

UC1200 HS23 Cat.7_A S/FTP

Standard, Solid, LSZH

Construction

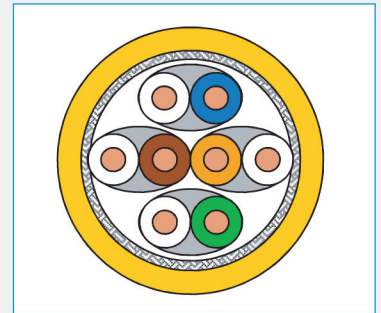
Conductor	Bare copper wire Ø 0.58 mm (AWG 23/1)
Insulation	Foamskin Polyethylene, Ø 1.4 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs to the core
Screen	Copper braid, tinned
Sheath	Halogen free, flame retardant sheathing material; LSZH, melon yellow RAL 1028

Mechanical properties

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

Electrical properties at 20°C ± 5°C

Loop resistance		≤ 135 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 5000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
Mean characteristic impedance	@ 100 MHz	(100 ± 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	≤ 12 mΩ / m	Grade 2
	bei 10 MHz	≤ 10 mΩ / m	Grade 2
	bei 30 MHz	≤ 30 mΩ / m	Grade 2
Coupling attenuation		≥ 80 dB	Type 2
Segregation classification acc. EN 50174-2			„D“



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 Video

Standards

EN 50173-1; ISO/IEC 11801; IEC 61156-5

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
60011415	95075	UC 1200 HS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSZH	500m/reel
TBC	95048	UC 1200 HS23 Cat.7A S/FTP, Individual pair foil, copper braid, LSFZRH	500m/reel