

UC900 HS23 Cat.7 S/FTP

Standard, Solid, LSZH

Construction

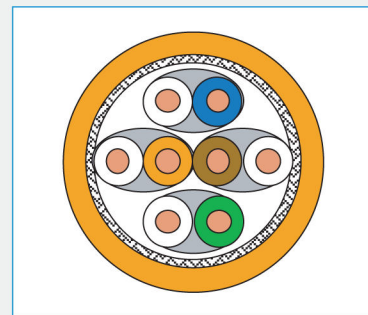
Conductor	Bare copper wire, Ø 0.56 mm (AWG 23)
Insulation	Foamskin PE, Ø 1.38 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PIMF) to the core
Screen	copper braid, tinned (ca. 40 % coverage)
Sheath	LSZH or LSFZRZH, orange

Mechanical properties

Bending radius	without load	≥ 30 mm
	with load	≥ 60 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		≤ 165 Ω/km	
Resistance unbalance		≤ 2%	
Insulation resistance	(500 V)	≥ 2000 MΩ*km	
Mutual capacitance	at 800 Hz	Nom. 43 nF/km	
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km	
	(1-100 MHz)	(100 ± 5) Ω	
	(100 - 250) MHz	(100 ± 10) Ω	
Characteristic impedance	(250 - 600) MHz	(100 ± 15) Ω	
Nominal velocity of propagation		ca. 79 %	
Propagation delay		≤ 427 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 16 MB; ISDN; TPDDI; ATM

Standards

EN 50173-1; EN 50288-4-1
ISO/IEC 11801; IEC 61156-5

Flame resistance

LSZH IEC 60332-1; IEC 60754;
IEC 61034

Ordering Information

SAP IC	UC P/N	Product Description	P.U
1001036	73075	UC 900 HS23 Cat.7 S/FTP, Individual pair foil, 40% braid, LSZH	500m/reel