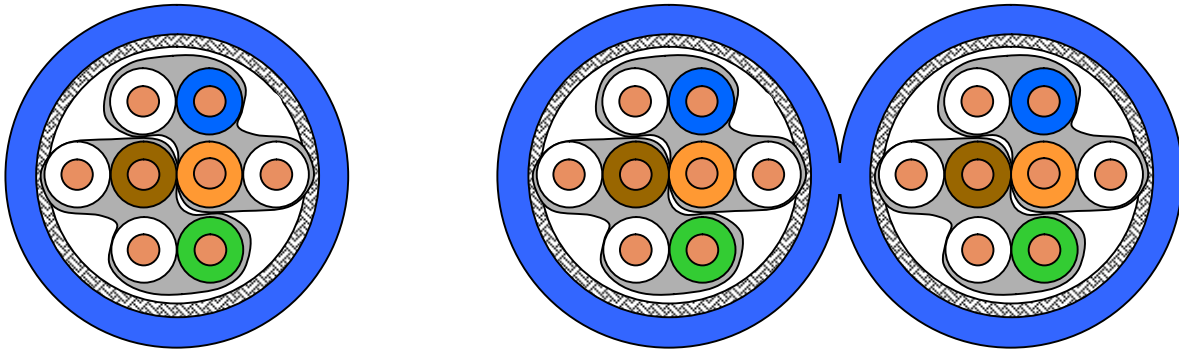


UC400 HS23 Cat.6

S/FTP AWG23/1 Installation Cable



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet (PoE) / PoE+

Standards

EN 50173-1; EN 50288-5-1
ISO/IEC 11801; IEC 61156-5
TIA/EIA-568-B.2
IEEE 802.3at

Flame resistance

PVC: IEC 60332-1
LSHF(LSOH): IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	bare copper wire Ø 0.56 mm (AWG23/1)
Insulation	Foamskin Polyethylene, Ø 1.38 mm
Twisting	2 cores to the pair
Pair screen	High Performance-FTP: Al-laminated plastic foil, patented wrapping of two pairs each
Cable lay up	2x2 pairs to the core
Screen	Copper braid tinned, drain wire AWG26 tinned
Sheath	PVC alt. FRNC, blue RAL 5012

Mechanical properties

Bending radius	without load	≥ 40 mm
	with load	≥ 80 mm
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

UC400 HS23 Cat.6

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	
Mean characteristic impedance	at 100 MHz	100 ± 5Ω	
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	at 1 MHz	12 mΩ /m	Grade 2
	at 10 MHz	10 mΩ /m	
	at 30 MHz	30 mΩ /m	
Coupling attenuation		80 dB	Type 2
Segregation classification acc. EN 50174-2		„d“	

Electrical data (nominal)

acc. to Cat.6 (at 20°C)

F (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return loss (dB)
1.0	1.8	100	97	98	95	105	105	-
4.0	3.4	100	97	97	94	105	102	27
10.0	5.4	100	97	95	92	97	94	30
16.0	6.8	100	97	93	90	93	90	30
20.0	7.7	100	97	92	89	91	88	30
31.2	9.6	100	97	90	87	87	84	30
62.5	13.7	100	97	86	83	81	78	30
100.0	17.4	100	97	83	80	77	74	30
125.0	19.5	95	92	75	72	75	72	26
155.5	21.9	94	91	72	69	73	70	26
175.0	23.3	93	90	70	67	72	69	25
200.0	25.0	92	89	67	64	71	68	25
250.0	28.1	90	87	62	59	69	66	24
300.0	30.9	89	86	58	55	67	64	24
400.0	38.3	87	84	48	45	64	61	23

UC400 HS23 Cat.6

Technical data

Product code	Cable type	Brand name	Outer diameter mm	Fire load		Weight kg/km	Copper content	Tensile force
				MJ/km	kWh/m			N
1000286	J-02YS(St)CY 4x2x0.56	UC400 HS23 Cat.6 S/FTP 4P	6.9	561	0.156	46	34	160
1000658	J-02YS(St)CH 4x2x0.56	UC400 HS23 Cat.6 S/FTP 4P LSHF		517	0.144	49		
1000226	J-02YS(St)CY 2x(4x2x0.56)	UC400 HS23 Cat.6 S/FTP 2x4P	6.9/14.0	1122	0.312	92	68	320
1000350	J-02YS(St)CH 2x(4x2x0.56)	UC400 HS23 Cat.6 S/FTP 2x4P LSHF		1034	0.288	98		

Produkt Code Tabelle

Produkt Beschreibung	Produkt Code	PG Referenz Code	PG Artikel Nummer
UC400 HS23 C6 S/FTP 4P LSHF 500DW	1000658-00500DW	60011579	60011577
UC400 HS23 C6 S/FTP 4P LSHF 1000DW	1000658-01000DW	60011579	60011578
UC400 HS23 C6 S/FTP 4P LSHF	1000658	60011579	60011579
UC400 HS23 C6 S/FTP 4P LSHF 100RW	1000658-00100RW	60011579	60013268
UC400 HS23 C6 S/FTP 4P LSHF 2000DW	1000658-02000DW	--	60013269
UC400 HS23 C6 S/FTP 4P PVC GY	1029787	60015243	60015243
UC400 HS23 C6 S/FTP 4P PVC 500DW	1029787-00500DW	60015243	60010961
UC400 HS23 C6 S/FTP 2x4P LSHF	1000350	60015313	60015313
UC400 HS23 C6 S/FTP 2x4P LSHF 100DW	1000350-00100DW	60015313	60015320
UC400 HS23 C6 S/FTP 2x4P LSHF 500DW	1000350-00500DW	60015313	60013169
UC400 HS23 C6 S/FTP 2x4P LSHF 1000DW	1000350-01000DW	60015313	60015318

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