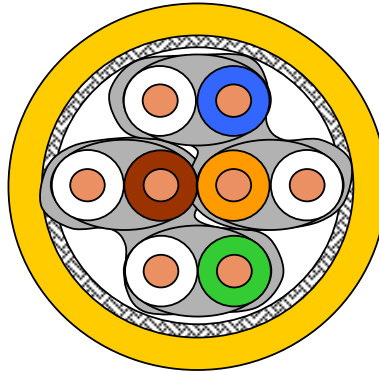




UC1500 SS23 MULTIMEDIA

6FOILS S/FTP



Application

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

Standards

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

Flame resistance

LSHF-FR(LSFROH): IEC 60754-2; IEC 61034 IEC 60332-1; IEC 60332-3-24C

Construction

Conductor	bare copper wire Ø 0.57 mm (AWG 23)
Insulation	Foamskin PE, Ø 1.4 mm
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil, patented wrapping of two pairs each
Cable lay up	2 x 2 pairs to the core
Screen	copper braid, tinned
Sheath	LSHF-FR 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
Maximum tensile load	During operation	-
	During installation	100 N



UC1500 SS23 MULTIMEDIA

Electrical properties

at 20°C ± 5°C

Loop resistance		≤ 135 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
Characteristic impedance	(1-100 MHz)	(100 ± 15) Ω
	(100 - 250) MHz	(100 ± 18) Ω
	(250 - 600) MHz	(100 ± 25) Ω
	(600 - 1200) MHz	(100 ± 30) Ω
Nominal velocity of propagation		ca. 80 %
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	≤ 5 mΩ/m
	at 10 MHz	≤ 5 mΩ/m
	at 30 MHz	≤ 15 mΩ/m
	at 100MHz	≤ 30 mΩ/m

Electrical data (nominal)

at 20°C

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	PS-NEXT (dB)	ACR (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1.0	2.0	117	114	115	112	105	103	20
4.0	3.6	117	114	113	110	93	91	23
10.0	5.7	117	114	112	109	85	83	25
16.0	7.2	114	111	107	104	81	79	25
20.0	8.1	113	110	105	102	79	77	25
31.2	10.1	110	107	100	97	75	73	24
62.5	14.5	105	102	91	88	69	67	22
100.0	18.5	102	99	84	81	65	63	20
125.0	21.1	101	98	80	77	63	61	19
155.5	23.4	100	97	76	73	61	59	19
175.0	25.1	99	96	74	71	60	58	18
200.0	26.8	98	95	71	68	59	57	18
250.0	30.1	96	93	66	63	57	55	17
300.0	33.0	95	92	62	59	55	53	17
450.0	42.6	93	90	50	47	52	50	17
600.0	49.0	91	88	42	39	49	47	17
1000.0	63.3	87	84	24	21	45	43	
1200.0	69.3	86	83	17	14	43	41	
1500.0	77.5	85	82	7.3	4.3	41	39	



UC1500 SS23 MULTIMEDIA

Technical Data

Product name	Type	Colour	Outer diameter mm	Fire load MJ/km	Weight kg/km	Delivery form	Material code		DCN no.	El. no
UC1500 SS23 4P LSHF-FR	S/FTP	Yellow RAL1028	7,9	642	81	-	1001088	-	-	-