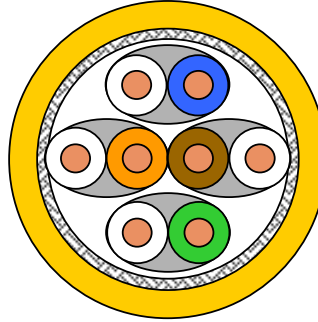


# UC1200 SS22 Cat.7+

## 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; ISO/IEC 11801; EN 50288-4-1; IEC61156-5; IEC61156-7

## Fire rating

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

## Construction

Conductor	Bare copper wire Ø 0.64 mm (AWG22)
Insulation	PE, Ø 1.6 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Pair screen	Al-laminated plastic foil around each pair
Overall screen	Copper braid, tinned Ø 7,0mm
Sheath	Fire retardant and halogen free LSHF-FR, melon yellow RAL 1028

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### Mechanical Properties

Bending radius	During operation	4 x Outer diameter
	During installation	8 x Outer diameter
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

### Electrical Properties

at 20°C

DC loop resistance		≤ 110 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 5000 MΩxkm
Capacitance	at 800 Hz	Nom. 44 nF/km
Capacitance unbalance	(pair to ground)	≤ 800 pF/km
Mean Characteristic impedance	@ 100 MHz)	100 ± 5 Ω
Nominal velocity of propagation		0,75c
Propagation delay		≤ 500 ns/100 m
Delay skew		≤ 15 ns/100 m
Transfer impedance	at 1 MHz	≤ 10 mΩ /m
	at 10 MHz	≤ 10 mΩ /m
	at 30 MHz	≤ 30 mΩ /m
	at 100 MHz	≤ 60 mΩ /m

### Nominal Transmission characteristics

at 20°C

F	Attenuation	NEXT	ACR	Return loss	PS-NEXT	PS-ACR	ELFEXT	PS-ELFEXT
(MHz)	(dB/100m)	(dB)	(dB/100m)	(dB)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)
1	2,0	100	98	-	97	95	100	97
4	3,3	100	97	27	97	94	97	94
10	5,1	100	95	30	97	92	95	92
16	6,1	95	89	30	92	86	90	87
20	7,3	93	86	30	90	83	90	87
31.25	9,2	93	84	30	90	81	90	87
62.50	13,2	93	80	30	90	77	85	82
100	16,7	90	73	30	87	70	80	77
155	20,9	90	69	25	87	66	78	75
200	23,9	90	66	25	87	63	75	72
250	26,8	90	63	25	87	60	69	66
300	29,4	88	59	23	85	56	65	62
600	41,8	85	43	20	82	40	45	42
750	47,0	85	38	20	82	35	44	41
900	51,5	85	34	18	82	31	42	39
1000	54,3	83	29	17	80	26	40	37
1200	61,6	83	21	16	80	18	35	32

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### Technical Data

Product name	Type	Colour	Outer diameter mm	Fire load MJ/km	Weight kg/km	Delivery form	Material code	DCN no.	El. no
UC1200 SS22 4P LSHF-FR	S/FTP	Yellow RAL1028	8,2	521	73	D500	1003508-00500DP	793051	1089361