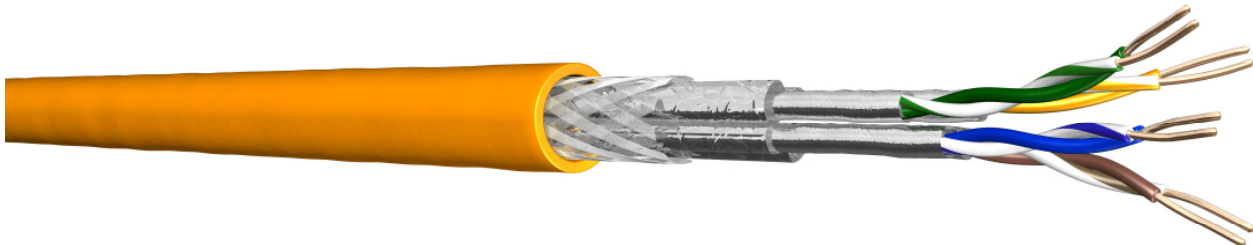


UC MULTIMEDIA 1500 SS22 LSHF-FR D_{ca}

6FOILS S/FTP AWG22/1



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
 Power over Ethernet (PoE) / PoE+

Standards

EN 50173-1; EN 50288-9-1
 ISO/IEC 11801; IEEE 802.3at
 IEC 61156-5; IEC61156-7

Flame resistance

EN 50399: Class D_{ca}s2d1a1; Class E_{ca}
 LSHF-FR(FRNC): IEC 60332-3-24; IEC 60332-1; 60754-2; IEC 61034

Construction

Conductor	bare copper wire Ø 0.645 mm (AWG 22/1)
Insulation	Foamskin PE, Ø 1.55 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	4 x D
	with load	8 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

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Electrical properties

at 20°C ± 5°C

Loop resistance		Nom. 110 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. 79 %
Propagation delay		≤ 427 ns/100m
Delay skew		≤ 9 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	bei 1 MHz	≤ 5 mΩ /m
	bei 10 MHz	≤ 2 mΩ /m
	bei 30 MHz	≤ 2 mΩ /m
Coupling attenuation		≥ 85 dB
Segregation classification acc. EN 50174-2		„d“

Electrical data (nominal)

acc. to Cat.7A (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	1.7	115	112	113	110	105	102	24
4.0	3.3	115	112	112	109	105	102	27
10.0	5.1	115	112	110	107	97	94	30
16.0	6.5	115	112	108	105	93	90	30
20.0	7.3	115	112	108	105	91	88	30
31.2	9.1	115	112	106	103	87	84	30
62.5	12.8	114	111	102	99	81	78	30
100.0	16.3	111	108	95	92	77	74	30
125.0	18.2	110	107	92	89	75	72	26
155.5	20.3	109	106	88	85	73	70	26
175.0	21.5	108	105	86	83	72	69	25
200.0	23.0	107	104	84	81	71	68	25
250.0	25.8	105	102	80	77	69	66	24
300.0	28.3	104	101	76	73	67	64	24
600.0	40.2	100	97	60	57	61	58	22
900.0	49.4	97	94	48	45	58	55	20
1000.0	52.1	96	93	44	41	57	54	20
1200.0	57.1	95	92	38	35	55	52	20
1500.0	64.1	94	91	30	27	53	50	19

UC MULTIMEDIA 1500 SS22 LSHF-FR D_{ca}

Product order data

Product code	Cable type	Brand name	Outer diameter mm	Euro class	Fire load		Weight kg/km	Copper content	Tensile force
					MJ/km	kWh/m			N
60015314	J-02YSCH 4x2x0.64 PIMF	UC MULTIMEDIA 1500 SS22 6F S/FTP 4P LSHF-FR	8.9	D _{cas} 2d1a1	746	0.207	86	45	380

Certificates



Product Code Table

Product Description	PG Reference Code	PG Part Number
UC MM 1500 SS22 6F S/FTP LSHFFR	60015314	60015314
UC MM 1500 SS22 6F S/FTP LSHFFR 100RW	60015314	60015316
UC MM 1500 SS22 6F S/FTP LSHFFR 500DW	60015314	60015319
UC MM 1500 SS22 6F S/FTP LSHFFR 1000DW	60015314	60015321

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