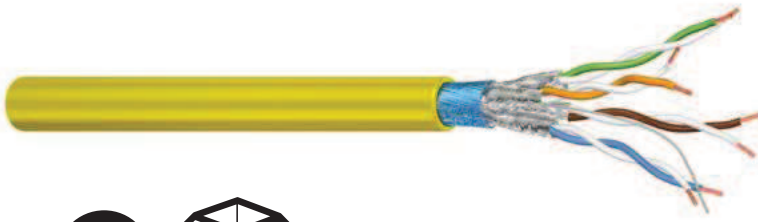


# F/FTP cat. 7<sub>A</sub> 1200 MHz

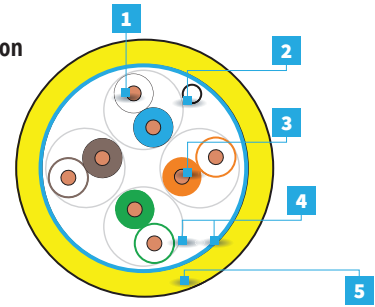
## ULTRA 7A

F/FTP cat. 7<sub>A</sub> 1200 MHz



### Cable construction

1. Insulation
2. Drain wire
3. Conductor
4. Shield
5. Jacket



FibraINDATA UltraA F/FTP Cat.7A 1200 MHz	
500 m drum	XUA100.136
1000 m drum	XUA100.137
<b>JACKET - LSZH YELLOW</b>	

ELECTRICAL AND CONSTRUCTION PARAMETERS		
Impedance from 10 do 1200 MHz [Ohm]		100±5
Nominal velocity of propagation NVP (% speed of light)		75
Return loss (RL) dB (min)		
values at	30 - 100 MHz	>80 dB
	100 - 1000 MHz	80-20log(f/100)
Delay skew (max) [ns/100 m]		<40
Dielectric strength during 1 minute (V c.c.)		1000
Insulation strength (MΩm*km)		>5000
Nominal/maximum operating voltage [V]		45/200
Maximum operating current [A]		0.25
Resistance in C.C (Ωm/k)		164
Diameter [mm]		7.6
Weight [kg/km]		55
Fire retardant		NFC 32070 C2
Installation temperature [°C]		-20/+70
Operating temperature [°C]		-20/+70

Frequency [MHz]	Max. attenuation [dB/100 m]		Return Loss [dB]		NEXT [dB]	
	Nominal	Maxi	Nominal	Maxi	Nominal	Maxi
1	2.0	2.0	20.0	---	90.0	75.0
16	7.2	7.2	20.0	---	85.0	75.0
62.5	14.3	14.5	20.0	17.5	76.0	72.1
100	18.3	18.5	20.0	16.5	73.0	69.0
200	26.5	26.8	20.0	15.0	68.0	64.5
250	29.9	30.2	20.0	14.5	67.0	63.0
300	33.0	33.3	19.5	14.1	66.0	61.8
600	48.4	48.9	16.3	12.6	61.0	57.3
900	60.9	61.5	14.5	11.7	59.0	54.7
1000	64.7	65.3	12.0	11.5	58.0	54.0

### Applications

- Analog and digital transmission of video signals
- 100 BASE-T (IEEE 802.3)
- 1000 BASE-T (Gigabit Ethernet)
- 155/622 Mbps ATM
- 1.2 Gbps ATM
- 10G BASE-T (10 Gigabit Ethernet)
- Broadband CATV
- 40 i 100 Gigabit Ethernet

### Norms

- LSZH: PN-EN 61034, PN-EN 50267-2-1
- PN-EN 60332-1, PN-EN 60332-3-24
- ISO/IEC 11801:2011
- EN 50173:2011

### Construction

- Conductor (wire) - 23 AWG (0.574 mm)
- Insulation: polyolefin
- Pair number: 4 twisted pairs
- Jacket: LSZH yellow in accordance with IEC 60322-1
- Shield: aluminium/polyester foil around each pair
- Shield: aluminium/polyester foil around all pairs
- Grounding: galvanized copper wire Φ 0.4 mm