

F/UTP cat. 6 350 MHz

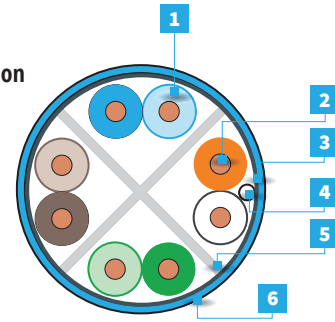
Quick 6



F/UTP cat. 6 350 MHz

Cable construction

1. Insulation
2. Conductor
3. Aluminium foil
4. Drain wire
5. Cross web
6. Jacket



FibraINDATA Quick F/UTP Cat.6 Jacket LSZH 350 MHz

500 m drum	XQ100.116
1000 m drum	XQ100.117
JACKET - LSZH BLUE	

ELECTRICAL AND CONSTRUCTION PARAMETERS

Resistance (max) Ohm/100 m(328 ft) @ 20 °C	8.90
Mutual capacitance (max) nF/100 m(328 ft) @ 1 kHz	5.60
Nominal velocity of propagation NVP (% speed of light)	70
Impedence characteristic [Ohm] (min-max)	
values at	
1.0 - 100 MHz	78 - 122
100 - 350 MHz	85 - 115
350 - 500 MHz	68 - 132
Propagation delay (max) [ns @ 10 MHz]	518
Delay skew (max) [ns/100 m]	40
Diameter [mm]	6.9
Weight [kg/km]	45
Minimal bending radius [mm]	30
Installation temperature [°C]	-20/+70
Operating temperature [°C]	-20/+70

Frequency [MHz]	Max. attenuation [dB/100 m]	NEXT	PS-NEXT	ACR-F	PS-ACR-F	ACR-F	PS-ACR-F	Return loss [dB]
		[dB/100 m] min						
1*	2.1	75.3	72.3	68.0	65.0	73.2	70.2	20.0
4	3.8	66.3	63.3	58.0	55.0	62.5	59.5	23.0
8	5.2	61.8	58.8	51.9	48.9	56.5	53.5	24.5
10	5.9	60.3	57.3	50.0	47.0	54.4	51.4	25.0
16	7.4	57.2	54.2	45.9	42.9	49.9	46.9	25.0
25	9.2	54.3	51.3	42.0	39.0	45.0	42.0	24.3
31.25	10.3	52.9	49.9	40.1	37.1	42.6	39.6	23.6
62.5	14.5	48.4	45.4	34.1	31.1	33.8	30.8	21.5
100	18.4	45.3	42.3	30.0	27.0	26.9	23.9	20.1
155	22.9	42.4	39.4	26.2	23.2	19.5	16.5	18.8
200	26.1	40.8	37.8	24.0	21.0	14.7	11.7	18.0
250	29.2	39.3	36.3	22.0	19.0	10.1	7.1	17.3
300	32.0	38.1	35.1	20.5	17.5	6.1	3.1	17.3
350	34.7	37.1	34.1	19.1	16.1	2.5	1.0	17.3

Applications

- Half and full duplex transmission
- Analog and digital transmission of video signals
- 16 Mbps Token Ring
- 100Mbps TP-PMOD
- 100 BASE-T (IEEE 802.3)
- 1000 BASE-T (Gigabit Ethernet)
- 155/622 Mbps ATM
- 1.2 Gbps ATM

Norms

- LSZH: PN-EN 61034, PN-EN 50267-2-1
- PN-EN 60332-1, PN-EN 60332-3-24
- ANSI/TIA/EIA 568-C.2 (Cat.6)
- ISO/IEC 11801:2011
- PN-EN 50173:2011

Construction

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