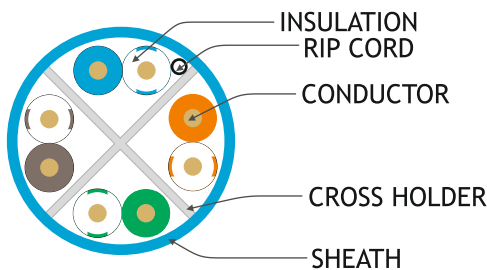


Category 6 cabling
U/UTP LSZH coating



Quick 6

01

Cable 500 MHz LSZH sheath
U/UTP Category 6

FIBRAIN DATA Structural Cabling Quick Series, fully satisfies the requirements of cat 6 (class E) in accordance with standard ISO/IEC 11801 2nd edition. Also all components of the transmission line complete ROHS 2002/95/WE Directive.

Electrical and constructional parameters:			
Parameter:			
Resistance (max) Ohm/100m (328 ft) @ 20°C		8,90	
Capacity (max) nF/100m (328ft) @ 1 kHz		5,60	
Nominal velocity of propagation NVP (% speed of light)		68	
Impedance (Ohm)		(min-max)	
	Value for:	1,0 - 100 MHz	85-115
		100 - 350 MHz	78-122
		350 - 500 MHz	68-132
Coefficient of delay (max) (ns @ 10 MHz)		518	
Delay skew (max) (ns/100 m)		35	
Diameter (mm)		6,1	
Weigh(kg/km)		42	
Minimal bending radius (mm)		24,5	
Temperature of installation (°C)		-20/+50	
Temperature of operation (°C)		-10/+60	
Calorific value (MJ/m)		0.446	

Construction:

- Conductor - 23 AWG (0,574 mm)
- Insulation: polyolefine
- Number of wires: 4 pairs twisted together
- Blue jacket - LSZH material according to norm IEC 60332-1

Application:

- Supports full and half duplex application
- Digital and analogue video transmission
- 16 Mbps Token Ring
- 100 Mbps TP-PMOD
- 100 BASE-T (IEEE 802.3)
- 1000 BASE-T (Gigabit Ethernet)
- 155/622 Mbps ATM
- 1.2 Gbps ATM

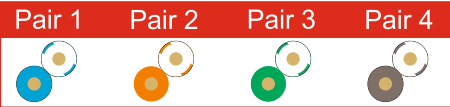
Norms:

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

Cable marking:

Below information is printed on each meter of the cable:

- Supplier: FIBRAIN DATA
- Cable Type: U/UTP 4PR23AWG CAT.6 500 MHz
- Jacket type: LSZH
- Norms: IEC 60332-1 ISO/IEC 11801 AND EN 50173 AND ANSI/TIA/EIA 568-C-2.1
- Year of production: XXXX
- ID number: XXXX
- Length marking in meters



Frequency Mhz:	Attenuation Max dB/100 m:	NEXT	PS-NEXT	ACR-F	PS-ACR-F	Return Loss
dB/100 m(min):						
1	1,8	76,7	73,7	73,0	73,0	---
10	6,5	69,2	66,2	61,0	58,0	34,4
16	8,2	67,6	64,6	56,9	53,9	33,8
31,25	9,9	65,4	62,4	51,1	48,1	33,3
62,5	14,1	61,9	58,9	45,1	42,1	33,0
100	18,0	58,9	55,9	41,0	38,0	32,1
155	22,7	56,0	53,0	37,2	34,2	31,5
250	29,2	52,9	49,9	33,0	30,0	30,4
350	35,1	50,7	47,7	30,1	27,1	---
500	43,0	48,4	45,4	27,0	24,0	---

XQ 100.105 FIBRAIN DATA Quick U/UTP Cat. 6 500 MHz drum 305 m jacket LSZH blue colour

XQ 100.106 drum 500 m.
XQ 100.107 drum 1000 m.