

**50 pairs cable sheath PVC or LSZH**  
U/UTP cat 3

FIBRAIN DATA Structural Cabling Voice System, fully satisfies the requirements of cat. 3 (class C) in accordance with standards ISO/IEC 11801, EN 50173 and ANSI/TIA/EIA 568-C.2. This series is dedicated for structured cabling installations, for digital and analog telephone signals transmissions. VOICE products offers good transmission parameters need for voice applications, easy connectorization of cables and convenience of use.

**Electrical and constructional parameters:**

Parameter:		
Maximum conductor resistance (d.c.) At 20°C (0,4 mm) @ Ohm/km	93,8	
Minimum dielectric strength (d.c.) Between conductors @ V	1000	
Min. Insulation resistance MOhm/km	10000	
Impedance characteristics (Ohm)	(min-max)	
value for:	772 kHz	87-117
	1,0 - 16 MHz	85-115
Return loss (RL) dB (min)		
value for:	772 kHz	12
	1,0 - 16 MHz	12-log(f/10)
Construction	50x2x0,5	
Diameter (mm)	13,8	
Weight (kg/km)	293	
Drum size	10	

**Construction:**

- Conductor ( wire ) - 24 AWG (0,51 mm)
- Insulation: polyolefin
- Number of wires: 50 pairs twisted together
- Jacket type: - XV150.103 - grey jacket PVC
- Jacket type: - XV150.107 - green jacket LSZH

**Cable marking:**

Below information is printed on each meter of the cable:

- Supplier: FIBRAIN DATA
- Cable Type: U/UTP 50PR 24AWG CAT.3 16 MHz
- Jacket type: PVC or LSZH
- Norms: IEC 61156-5 ISO/IEC 11801 EN 50173
- Year of production: XXXX
- ID number: XXXX
- Length marking in meters

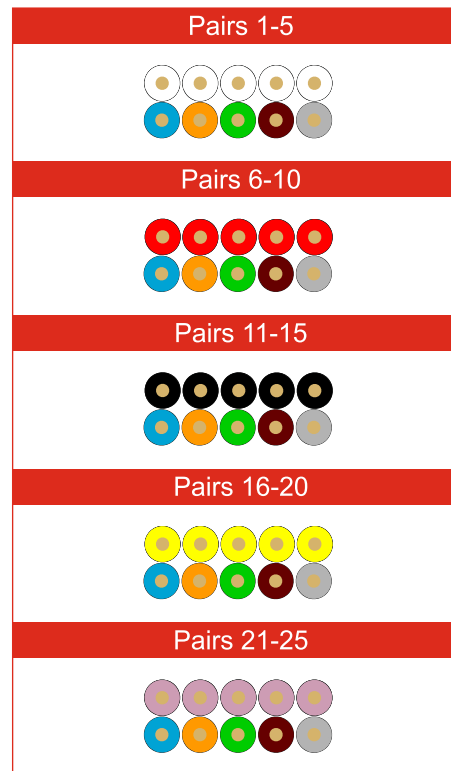
Frequency MHz:	Attenuation Max dB/100 m:	NEXT dB/100 m(min):
0,772	1,8	72,0
1	2,1	70,3
4	4,0	61,3
10	6,2	55,3
16	7,9	52,2
25	10,0	49,3

**Application:**

- PBX
- So Point-to-Point
- Token Ring 4 Mbit/s
- ATM LAN 51,84 Mbit/s
- ATM LAN 155,52 Mbit/s
- Digital and analog telephone signals transmissions

**Norms:**

- IEC 60332-1
- LSZH: EN 61034, EN 50267-2-1
- EN 60332-1, EN 60332-3-24
- ANSI/TIA/EIA 568-C.2 (Cat. 3)
- ISO/IEC 11801
- EN 50173, EN 50288



XV150.103 FIBRAIN DATA Voice 50x2x0.5 U/UTP Cat. 3 16 MHz drum 1000 m jacket PVC

XV150.107 jacket LSZH.