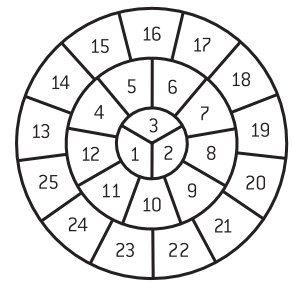


Category 3 cabling

U/UTP 25 pairs

01

**Voice**

25 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.

Also all components of the transmission line complete ROHS 2002/95/WE Directive.

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	25x2x0,5
Diameter (mm)	10,4
Weight (kg/km)	162
Drum size	08

Construction:

- Conductor (wire) - 24AWG (0,51 mm)
- Insulation: polyolefin
- Number of wires: 25 pairs twisted together
- Jacket type: XV125.103 - grey jacket PVC
- Jacket type: XV125.107 - green jacket LSZH

Cable marking:

Below information is printed on each meter of the cable:

- Supplier: FIBRAIN DATA
- Cable Type: U/UTP 25PR 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

Pairs 1-5



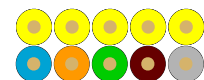
Pairs 6-10



Pairs 11-15



Pairs 16-20



Pairs 21-25



XV125.103 FIBRAIN DATA Voice 25x2x0.5 U/UTP Cat. 3 16 MHz drum 1000 m jacket PVC

XV125.107 jacket LSZH.