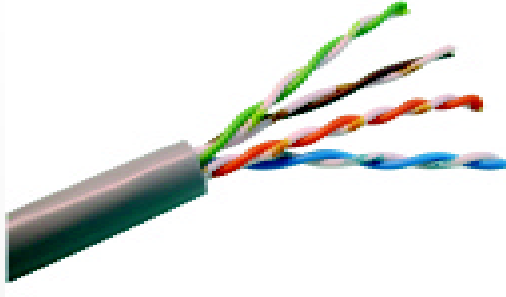
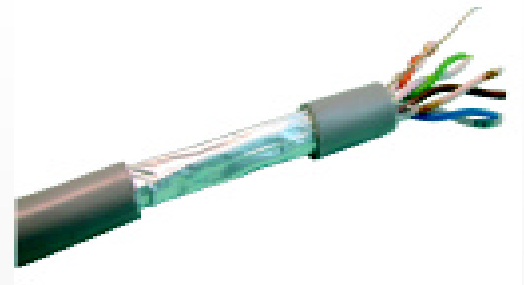


**UTP - FTP cat. 5e**

CABLES FOR LOCAL AREA NETWORK UNTIL 100 MHz

**UTP 4x2x24/1 AWG****FTP 4x2x24/1 AWG****DESCRIPTION**

cable for voice and data transmission at high velocity (frequencies until 100 MHz cat. 5e) in a structured cabling system, class D. they are made of 4 couple of twisted conductors. For FTP cable, the shield is made of an Aluminium Blue polyester tape with tinned copper drain wire. Outer jacket can be made in Standard PVC or Low Smoke Zero Halogen compound.

**CABLE STRUCTURE**

**core colours:** white/blue - blue  
white/orange - orange  
white/green - green  
white/brown - brown

**Conductor:** Stranded bare Cu conductor  
AWG 24/1(0,51 mm).

**Core insulation:** PE

**Shield:** UTP: nothing  
FTP: Aluminium / Blue polyester tape

**Outer sheath:** PVC or LSZH compound

**Outer sheath color:** Grey

**ELECTRICAL DATA**

**Loop Resistance:** < 192 ohm/km.

**Capacitance:** 55.8 nF/km a 1kHz

**Characteristic impedance:** 100 +/- 15 % ohm

**Propagation Velocity:** 66 %.

Frequency MHz	Attenuation dB/100m	NEXT dB	ACR dB	ELFEXT dB	RL dB
1	2,0	74			
4	4,1	56,3	52,2	51,7	23,0
8	5,8	51,8	46	45,7	23,0
10	6,5	50,3	43,8	43,8	23,0
16	8,2	47,3	39,1	39,7	23,0
20	9,3	45,8	36,5	37,7	23,0
25	10,4	44,3	33,9	35,8	22,0
31,25	11,7	42,9	31,2	33,9	21,1
62,5	17	38,4	21,4	27,8	18,0
100	22	35,3	13,3	23,8	16,0

**INSTALLATION CONDITIONS**

Min. Bending Radius: 10 x cable diameter

Temperature range: -10 °C ; +70 °C

Max. tensile strenght: 10 Kg

**STANDARD REFERENCE**

ISO/IEC 11801

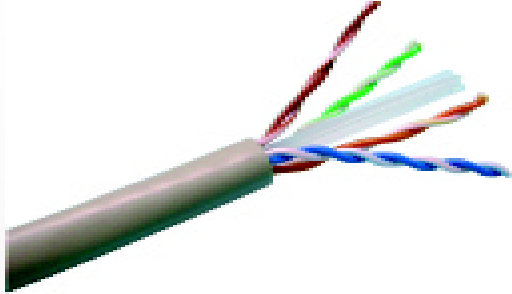
**PACKAGING**

305 Mt. Dispencer.

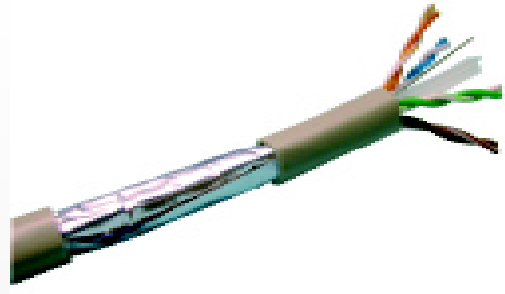
Code	Cable	Conductor AWG	Shield	Diameter mm	Weight Kg/km
6L0102432	UTP	24/1	-	4,7-5,3	33,5
6L0104932	FTP	24/1	AL/PET tape + Cu-Sn Drain Wire	5,4-6,2	43,1

**cat 5e**

## UTP 4x2x23/1 AWG



## FTP 4x2x23/1 AWG



### DESCRIPTION

able for voice and data transmission at high velocity (frequencies until 250 MHz cat. 6) in a structured cabling system, class D. they are made of 4 couple of twisted conductors. For FTP cable, the shield is made of an Aluminium/ polyester tape with tinned copper drain wire. Outer jacket can be made in Standard PVC or Low Smoke Zero halogen compound.

### CABLE STRUCTURE

**Core colours:** white/blue - blue  
white/orange - orange  
white/green - green  
white/brown - brown

**Conductor:** Stranded bare Cu conductor  
AWG 23/1(0,57 mm).

**Core insulation:** PE

**Separator:** cross-shaped PE

**Shield:** UTP: nothing  
FTP: Aluminium / Blue polyester tape

**Outer sheath:** PVC or LSZH compound

**Outer sheath color:** Grey

### ELECTRICAL DATA

**Loop Resistance:** 145 ohm/km.

**Capacitance:** 48.2 nF/km a 1kHz

**Characteristic impedance:** 100 +/- 15 % ohm

**Propagation Velocity:** 68 %.

Frequency MHz	Attenuation dB/100m	NEXT dB	PS NEXT dB	ELFEXT dB	PS ELFEXT dB	RL dB/100m
1	1,9	74	74	68	65	20
4	3,7	65	63	56	53	23,01
10	5,9	59	57	48	45	25,00
16	7,5	56	54	44	41	25,00
20	8,4	55	53	42	39	25,00
31.25	10,6	52	50	38	35	23,64
62.5	15,4	47	45	32	29	21,54
100	19,8	44	42	28	25	20,11
200	29	40	38	22	19	18,00
250	32,8	38	36	20	17	17,32

### INSTALLATION CONDITIONS

Min. Bending Radius: 10 x cable diameter  
Temperature range: -10 °C ; +70 °C  
Max. tensile strenght: 10 Kg

### STANDARD REFERENCE

ISO/IEC 11801

### PACKAGING

305 Mt. Dispencer.

Code	Cable	Conductor	Shield	Diameter	Weight
		AWG		mm	Kg/km
6L0102332	UTP	23/1	-	6,8 +/-0,2	45
6L0105032	FTP	23/1	AL/PET tape + CuSn Drain wire	8,3 +/-0,2	50