



## Construction

<b>Conductor</b>	Stranded tinned copper wires Diameter: 0,51 mm (AWG26/7)
<b>Insulation</b>	Polyethylene Diameter: 0,98 mm
<b>Assembly</b>	Two insulated conductors twisted together as a pair
<b>Pair Screen</b>	-
<b>General assembly</b>	4 twisted pairs laid up together
<b>Overall screen</b>	-
<b>Outer sheath</b>	PVC Colour: Grey
<b>Outer diameter</b>	5,5 mm
<b>Weight</b>	34 Kg/Km
<b>Operating T<sup>a</sup></b>	Fixed installation: -20°C to +60°C / During installation: 0°C to +50°C
<b>Min. bending radius</b>	Fixed installation (without load): 25mm / During installation (with load): 50mm
<b>Loop resistance</b>	195 Ohm/Km Max.
<b>Resistance unbalance</b>	2% Max.
<b>Insulation resistance</b>	5000 MOhm*Km Min. (500V)
<b>Mutual capacitance</b>	Nominal 52 pF/m (at 800Hz)
<b>Capacitance unbalance</b>	1500 pF/Km Max. (Pair-Ground)
<b>Characteristic Impedance</b>	100 ± 5 Ohm (at 100 MHz)
<b>Velocity of propagation</b>	67%
<b>Propagation delay</b>	Nominal 520 ns/100m
<b>Test Voltage</b>	1000 V (DC, 1 min)
<b>Transfer Impedance</b>	-
<b>Coupling attenuation</b>	40 dB Min.
<b>Segregation class</b>	-

## Application

Flexible cable for Category 6 data transmission in local area networks (LAN), suitable for the work area (computers) and panel wiring: IEEE 803.3: 10Base-T, 100Base-T, 1000Base-T, IEEE 802.5 16Mb; ISDN; TPDDI; ATM

\* CPR:

Cable suitable for installation under the requirements of CPR (Construction Product Regulation (EU) No. 305/2011) according to the classification (Euroclass) specified in this document.

## Standards / Properties

<b>Ref. standard for drawing</b>	TIA/EIA 568B; ISO/IEC 11801 Ed.2; IEC 61156-6; EN 50173; EN 50288-6-2
<b>Flame Retardant</b>	UNE-EN 60332-1 (IEC 60332-1)
<b>CPR Classification (Euroclass)</b>	Eca (According to UNE-EN 50575)



## Article table

Code	Cable	Supply
14450066	U/UTP Cat.6 4x2xAWG26 PVC PATCH	Drums 500mts

## Colour table

PAIR N°	Conductor A	Conductor B
1	Blue	White/Blue
2	Orange	White/Orange
3	Green	White/Green
4	Brown	White/Brown

## Electrical data

Frec.(MHz)	** Attenuation	*NEXT	*PSNEXT	**ACRF	**PS-ACRF	*RL
1	3	74	71	69	66	20
4	6	66	63	57	54	23
10	9	60	57	49	46	25
16	11	57	54	45	42	25
20	13	56	53	43	40	25
31.2	16	53	50	39	36	24
62.5	23	48	45	33	20	22
100	30	45	42	29	26	20
125	33	44	41	27	24	20
156	37	43	40	25	22	19
175	40	42	39	24	21	18
200	44	41	38	23	20	18
250	49	39	36	22	19	17
300	52	38	35	21	18	-
400	60	37	34	20	17	-

Units: \* = dB / \*\* = dB/100m

Frec.(MHz)

Frequency