

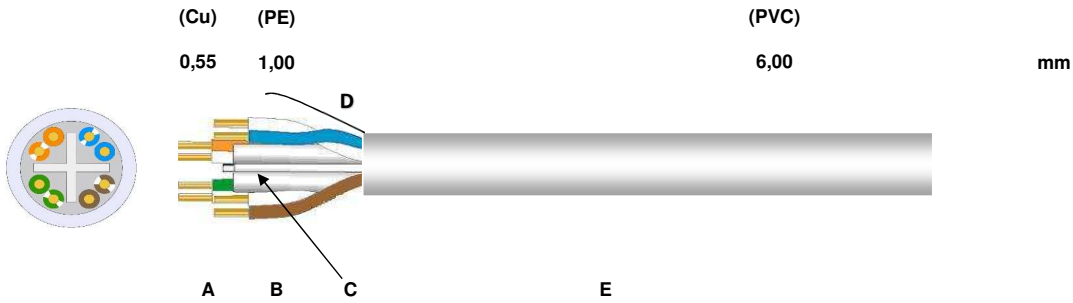
CABLE DESIGN SHEET

CABLE DESCRIPTION:
Cat. 6 U/UTP 4x2xAWG23/1 PVC sheath



CABLE CODE:
LAN6NV (Rev.0)

FIRE CLASS: Eca



CONSTRUCTION DATA:

DIMENSIONS:

- | | | | | |
|---|-------|---|------------|----|
| A. 4 pairs of bare copper wires | (Cu) | φ | 0,55 | mm |
| B. Insulation of solid Polyethylene. | (PE) | φ | 1,00 | mm |
| C. Cross separator in Polyethylene. | (PE) | | | |
| D. Nylon Ripcord under sheath | | | | |
| E. Outer Sheath of white Polyvinylchloride. | (PVC) | | 6,00 ± 0,4 | mm |
- printed each meter:
CAVEL LAN6NV U/UTP 4x2xAWG23 - Euroclass Eca ISO-IEC 11801 EN50173 CEI-UNEL 36762 C-4 (U0 =400V) dddyy - meter marking
(dddyy=batch)

Weight of copper conductors (approx): 18,7 Kg/Km Bending radius (1/n): 60/35 mm
Total weight of cable (approx.): 39,3 Kg/Km Operating temperature: -15/+75 °C

ELECTRICAL DATA:

Characteristic Impedance (100 MHz): 100 ± 5 Ohm Insulation resistance: >5000 MΩ x km
Mutual capacitance (800 Hz) : 56 pF/m Loop Resistance : 188 Ohm/Km

Frequency (MHz)	Attenuation (dB/100m)	Next (dB)	acr-n (dB/100m)	SRL (dB)
4	3,8	65,3	61,5	23
10	6,0	57,3	51,3	25
20	8,5	54,8	46,3	25
31,2	10,7	51,9	41,2	23,6
62,5	15,4	47,4	32	21,5
100	19,8	44,3	24,5	20,1
200	29,0	39,8	10,8	18
250	32,8	38,3	5,5	17,3

STANDARDS:

ISO/IEC 11801 Class E; CEI-UNEL 36762

ITALIANA CONDUTTORI s.r.l

V.le Zanotti 90 - 27027 Gropello Cairoli (PV) - Italy
Tel. 0382-815150 - Fax: 0382-814212

Date

March 11,2024

Responsible

P.Piccinini