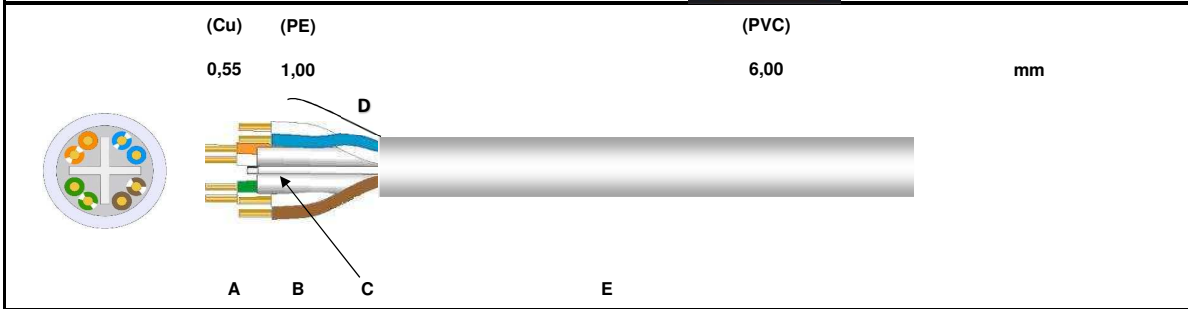


CABLE DESIGN SHEET

CABLE DESCRIPTION: Cat. 6A U/UTP 4x2xAWG23/1 PVC sheath FIRE CLASS: Eca		CABLE CODE: LAN6ANV (Rev.0)
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<u>CONSTRUCTION DATA:</u>	<u>DIMENSIONS:</u>
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. printed each meter: CABEL LAN6ANV U/UTP 4x2xAWG23 - Euroclass Eca ISO-IEC 11801 EN50173 CEI-UNEL 36762 C-4 (U0 =400V) dddyy - meter marking (dddyy=batch)	(PVC) 6,00 \pm 0,4 mm

Weight of copper conductors (approx):	19,0 Kg/Km	Bending radius (1/n):	60/35 mm
Total weight of cable (approx.) :	39,8 Kg/Km	Operating temperature:	-15/+75 °C

<u>ELECTRICAL DATA:</u>			
Characteristic Impedance (100 MHz):	100 \pm 5 Ohm	Insulation resistance:	>5000 M Ω 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	64,5	23
10	5,9	59,3	53,4	25
20	8,4	54,8	46,4	25
31,2	10,5	51,9	41,4	23,6
62,5	15	47,4	32,4	21,5
100	19,1	44,3	25,2	20,1
200	27,6	39,8	12,2	18
250	31,1	38,3	7,2	17,3
300	34,3	37,1	2,8	16,8
400	40,1	35,3	----	15,9
500	45,3	34,8	----	15,2

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
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