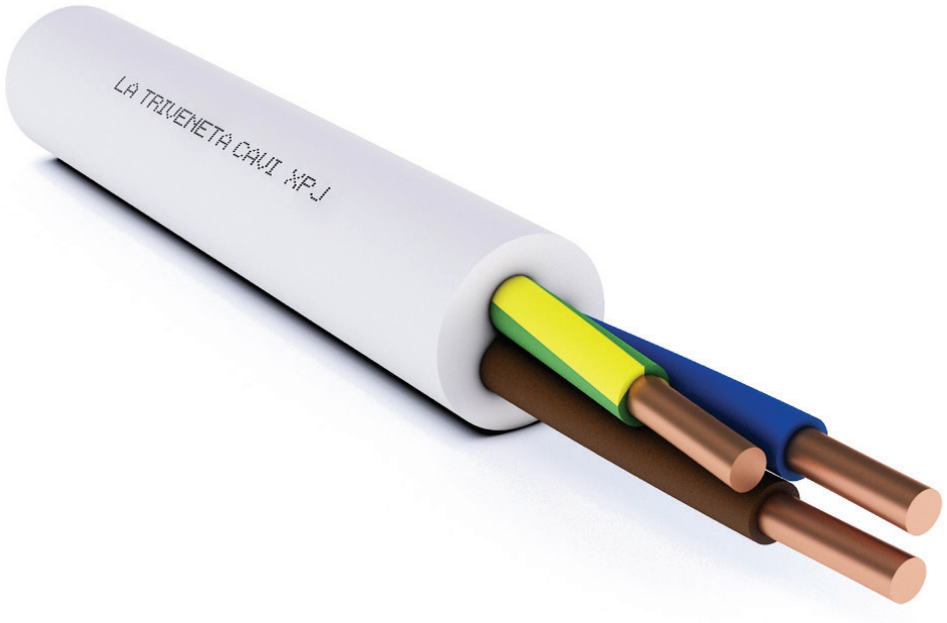
XPJ

Structure and electrical, physical, mechanical requirements:	ref. to EVS 720:2015
Low Voltage Directive:	2014/35/EU
RoHS Directive:	2011/65/EU

REACTION TO FIRE

CPR COMPLIANT
REGULATION 305/2011/EU

Standard:	EN 50575:2014+A1:2016
Class:	E_{ca}
Classification:	EN 13501-6
Flame propagation:	EN 60332-1-2
Notified Body:	2479 - L.S. FIRE TESTING INSTITUTE
CE	2017



CE

Description

- Conductor:
  -class 1, solid, plain copper
  (cross-section 1,5 ÷ 4)
  -class 2, stranded wire, plain copper
  (cross-section 6 ÷ 25)
- Insulation: cross-linked polyethylene (XLPE)
- Sheath: PVC (the outer sheath fills the interstices between cores, thus comprising the inner sheath)
- Colour: white

Functional characteristics

- Rated voltage Uo/U: 300/500 V - 450/750 V
- Max. operating temperature: 70°C
- Min. operating temperature: -30°C
  (without mechanical shocks)
- Max. short circuit temperature: 160°C

Installation conditions

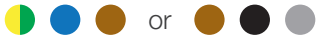
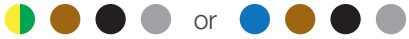
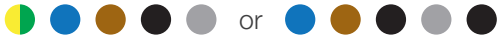
- Minimum installation temperature: -15°C
- Recommended minimum bending radius: 6 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper

Use and installation method

Suitable for energy supply in industry, workshops, residential building, and in agricultural applications. For fixed installations inside and outside. It must not be laid underground.

Reference Construction Products Regulation 305/2011 EU and Standard EN 50575:
The cable is suitable for the supply of electricity in buildings and other civil engineering works.

Colours of the cores

THREE-CORE  FOUR-CORE  FIVE-CORE 

Marking

LA TRIVENETA CAVI XPJ [form.] 300/500V EVS 720:2015 [year] [traceability] [metric]
LA TRIVENETA CAVI XPJ [form.] 450/750V EVS 720:2015 [year] [traceability] [metric]

Uo/U: 300/500V

Formation	Approx. conductor Ø	Average insulation thickness	Average sheath thickness	Approx. external Ø	Approx. cable weight	Max. electrical resistance at 20°C
n° x mm	mm	mm	mm	mm	kg/km	Ω/km
3 x 1,5	1,4	0,5	1,2	7,6	95	12,1
3 x 2,5	1,8	0,5	1,2	8,3	130	7,41
4 x 1,5	1,4	0,5	1,2	8,2	115	12,1
5 x 1,5	1,4	0,5	1,2	8,8	135	12,1
5 x 2,5	1,8	0,5	1,2	9,8	185	7,41

Uo/U: 450/750V

Formation	Approx. conductor Ø	Average insulation thickness	Average sheath thickness	Approx. external Ø	Approx. cable weight	Max. electrical resistance at 20°C
n° x mm	mm	mm	mm	mm	kg/km	Ω/km
5 x 4	2,5	0,6	1,5	12,0	290	4,61
5 x 6	3,1	0,6	1,5	14,2	420	3,08
5 x 10	3,9	0,7	1,7	17,3	665	1,83
5 x 16	5,0	0,7	1,7	19,7	955	1,15