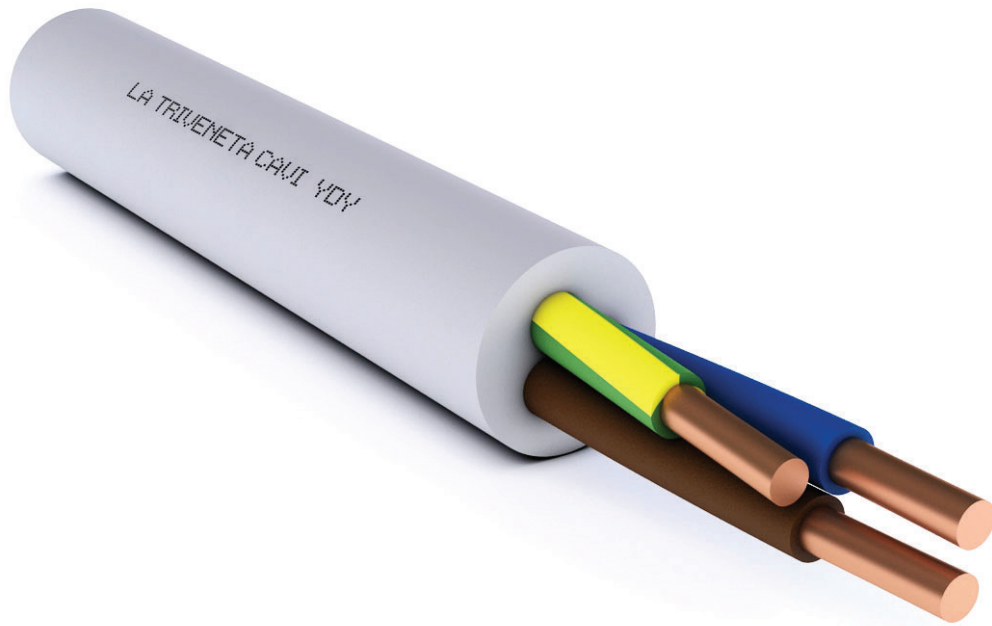


YDY

Structure and electrical, physical, EN 50525-1
mechanical requirements:

Flame propagation:	EN 60332-1-2
Low Voltage Directive:	2014/35/EU
RoHS Directive:	2011/65/EU



Description

- Conductor: class 1, solid, plain copper
- Insulation: PVC, type T11
- Sheath: PVC, type TM1
- Colour: white

YDYzo: with green/yellow core

YDY: without green/yellow core

Functional characteristics

- Rated voltage U_0/U : 450/750 V
- Max. operating temperature: 70°C
- Min. operating temperature: -30°C (without mechanical shocks)
- Max. short circuit temperature: 160°C

Colours of the cores

THREE-CORE  or 

FOUR-CORE  or 

FIVE-CORE  or 

Marking

LA TRIVENETA CAVI YDYzo 450/750V [form.] mm² [year] (CE logo) [metric]

Installation conditions

- Minimum installation temperature: -5°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

These cables are used for laying in industrial and home installation, on and under the plaster, in dry, damp and wet rooms and in pipes and in concrete, with the exception of direct fixing on single-fractional poured, vibrated and compacted concrete. They may also be used outside if they are protected against direct influence of sun.

N.B. For applications not covered by Regulation EU 305/2011.

Formation	Approx. conductor Ø	Average insulation thickness	Average sheath thickness	Approx. external Ø	Max. electrical resistance at 20°C	Approx. cable weight
n° x mm ²	mm	mm	mm	mm	Ω/km	kg/km
3 x 1,5	1,4	0,7	1,2	8,0	12,1	115
3 x 2,5	1,8	0,8	1,2	9,3	7,41	160
3 x 4	2,5	0,8	1,2	10,3	4,61	220
3 x 6	3,1	0,8	1,3	11,6	3,08	300
3 x 10	3,9	1,0	1,3	14,3	1,83	475
4 x 1,5	1,4	0,7	1,2	8,7	12,1	140
4 x 2,5	1,8	0,8	1,2	10,1	7,41	200
4 x 4	2,5	0,8	1,3	11,4	4,61	275
4 x 6	3,1	0,8	1,3	12,7	3,08	365
4 x 10	3,9	1,0	1,3	15,7	1,83	590
5 x 1,5	1,4	0,7	1,2	9,5	12,1	160
5 x 2,5	1,8	0,8	1,2	11,0	7,41	230
5 x 4	2,5	0,8	1,3	12,4	4,61	325
5 x 6	3,1	0,8	1,3	13,9	3,08	435
5 x 10	3,9	1,0	1,3	17,2	1,83	705