


Low voltage - Energy

# EXQ TRI-LIGHT

Structure and electrical, physical, mechanical requirements:	where appl. NEK 591:2019 where appl. SS424 02 19-5
Smoke density:	EN 61034-2
Low Voltage Directive:	2014/35/EU
RoHS Directive:	2011/65/EU

## REACTION TO FIRE

 <b>CPR COMPLIANT</b> <b>REGULATION 305/2011/EU</b>	
Standard:	EN 50575:2014+A1:2016
Class:	D <sub>ca</sub> -s2, d2, a2
Classification:	EN 13501-6
Heat and smoke emission and flame development:	EN 50399
Flame propagation:	EN 60332-1-2
Corrosive gases or halogens:	EN 60754-2
Notified Body:	0051 - IMQ
<b>CE</b>	2024



### Description

- Conductor: class 1, solid, plain copper
- Insulation: cross-linked polyethylene (XLPE)
- Filler: LSOH thermoplastic
- Sheath: LSOH thermoplastic, UV resistant
- Colour: white

LSOH = Low Smoke Zero Halogen

### Functional characteristics

- Rated voltage U<sub>0</sub>/U: 300/500 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: 10 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm<sup>2</sup> of the cross-section of the copper

### Colours of the cores

THREE-CORE   
FIVE-CORE 

### Marking

LA TRIVENETA CAVI EXQ TRI-LIGHT [form.] 300/500 V Dca-s2,d2,a2 [year] [prod. order]

### Use and installation method

This cable is recommended for use in public and industrial settings whenever good fire retardant qualities, reduced fumes, toxic and corrosive gases emissions are required in the case of fire. It may be installed outdoors but underground installation is not permitted.

Reference Construction Products Regulation 305/2011 EU and Standard EN 50575:

Given its properties of limiting the development of fire, heat emission and noxious fumes, the cable is suitable for the supply of electricity in buildings and other civil engineering works.

## EXQ TRI-LIGHT 300/500 V

Formation	Approx. conductor Ø	Approx. external Ø	Max. electrical resistance at 20°C	Approx. cable weight	Current rating at 30°C in pipe inside wall
n° x mm	mm	mm	Ω/km	kg/km	A
3 x 1,5	1,4	8,2	12,1	110	15
3 x 2,5	1,8	9,7	7,41	155	20
5 x 1,5	1,4	10,0	12,1	160	14
5 x 2,5	1,8	11,5	7,41	225	19