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

CPR COMPLIANT
REGULATION 305/2011/EU

Standard:	EN 50575:2014+A1:2016
Class:	D_{ca}-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
CE	2024

Description

- Conductor: class 1, solid, plain copper
- Insulation: cross-linked polyethylene (XLPE)
- Filler: LS0H thermoplastic
- Sheath: LS0H thermoplastic, UV resistant
- Colour: white

LS0H = Low Smoke Zero Halogen

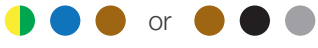
Functional characteristics

- Rated voltage Uo/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/mm² of the cross-section of the copper

Colours of the cores

THREE-CORE  or

FIVE-CORE  or 

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