


J-Y(St)Y Lg Brandmeldekabel

Structure and electrical, physical, VDE 0815 mechanical requirements:

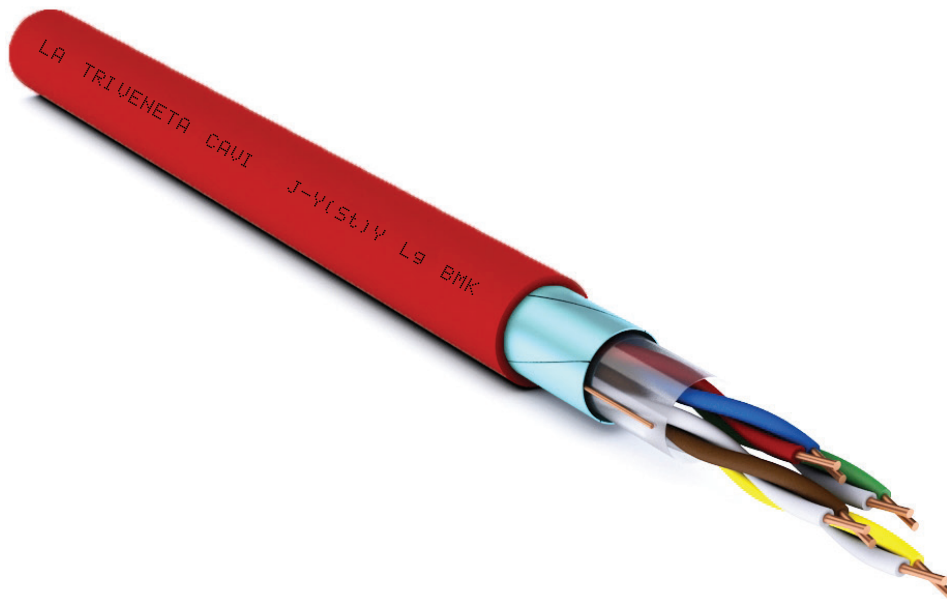
Low Voltage Directive:	2014/35/EU
RoHS Directive:	2011/65/EU

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



Description

- Conductor: class 1, solid, plain copper
- Insulation: PVC
- Stranding elements: one star quad, other stranded in pairs
- Core wrapping: polyester foil
- Screen: aluminum polyester foil and plain copper drain-wire
- Sheath: PVC
- Colour: red

Functional characteristics

- Rated voltage: 300 V
- Insulation resistance at 20°C: min. 100 M Ω ·km
- Mutual capacity (800 Hz): max. 100 nF/km
- Capacity unbalance (800 Hz): max. 300 pF/100 m

Installation conditions

- Minimum installation temperature: -5°C
- Recommended minimum bending radius: 16 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper

Use and installation method

Suitable for telecommunications and data processing systems, for connecting public and private telephone equipment. For static installations in dry or humid environments, and on the outside walls of buildings, both on or under plaster. The screen offers protection from electromagnetic interference. Can be used in static installations down to -20°C.

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.

Formation	Approx. conductor \varnothing	Average insulation thickness	Average sheath thickness	Approx. external \varnothing	Max. electrical resistance at 20°C	Approx. cable weight
n° x mm ²	mm	mm	mm	mm	Ω /km	kg/km
2 x 2 x 0,8	0,8	0,3	1,0	6,6	73,2	57
4 x 2 x 0,8	0,8	0,3	1,0	8,6	73,2	85
6 x 2 x 0,8	0,8	0,3	1,0	9,8	73,2	120
8 x 2 x 0,8	0,8	0,3	1,0	10,6	73,2	145
10 x 2 x 0,8	0,8	0,3	1,0	11,7	73,2	175
16 x 2 x 0,8	0,8	0,3	1,2	13,9	73,2	275
20 x 2 x 0,8	0,8	0,3	1,2	15,7	73,2	340
24 x 2 x 0,8	0,8	0,3	1,2	16,6	73,2	390
30 x 2 x 0,8	0,8	0,3	1,4	18,3	73,2	375
40 x 2 x 0,8	0,8	0,3	1,4	20,6	73,2	630
50 x 2 x 0,8	0,8	0,3	1,4	23,0	73,2	770
60 x 2 x 0,8	0,8	0,3	1,6	25,1	73,2	920