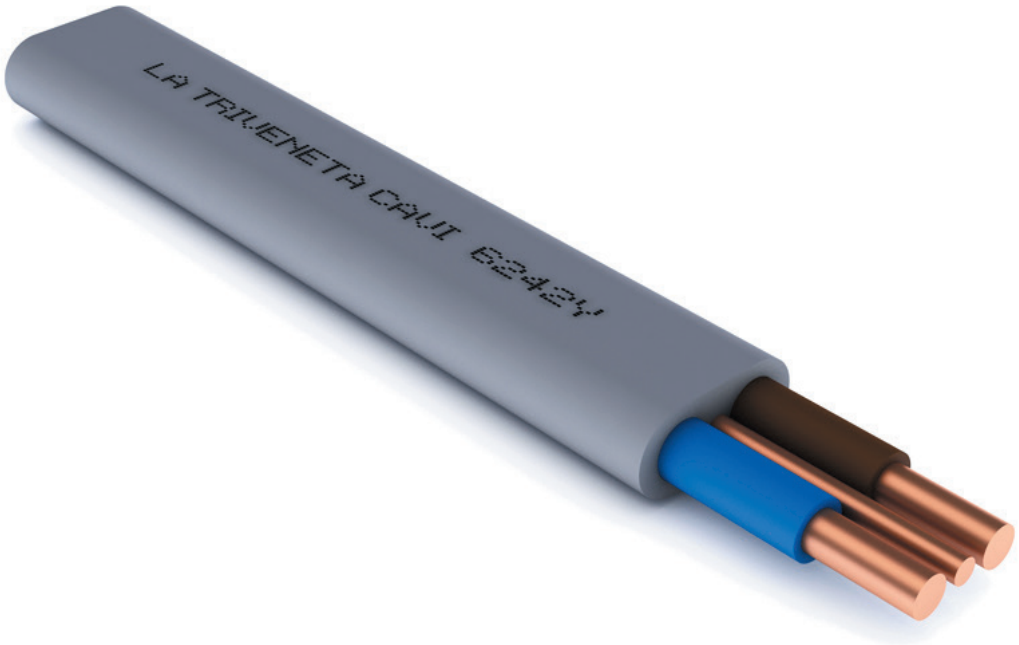
6241Y - SINGLE CORE
6242Y - TWIN FLAT
6243Y - THREE FLAT

Structure and electrical, physical, mechanical requirements:	BS 6004:2012
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:	0051 - IMQ
CE	2017



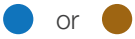
Description

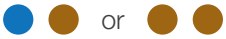
- Conductor:
  - class 1, solid, plain copper (cross-section ≤ 2,5 mm^2)
  - class 2, stranded wire, plain copper (cross-section ≥ 4 mm^2)
- Insulation: PVC compound, CPC (circuit protective conductor) conductor uninsulated
- Sheath: PVC compound, flat shape
- Colour: grey

Installation conditions

- Minimum installation temperature: 5°C
- Recommended minimum bending radius: 4 times the cable diameter for the single pole type and 6 times the cable diameter for the smaller dimension for the flat type
- Recommended maximum tensile stress: 50 N/mm^2 of the cross-section of the copper

Colours of the cores

SINGLE-CORE  or

TWO-CORE  or

THREE-CORE 

Marking

BASEC 187/001 ELECTRIC CABLE 300/500V (XXXX) [year] H

Functional characteristics

- Rated voltage Uo/U: 300/500 V
- Max. operating temperature: 70°C
- Min. operating temperature: -10°C (without mechanical shocks)
- Max. short circuit temperature: 160°C

Use and installation method

Suitable for dry and humid environments, both domestic and industrial. For static applications on flat surfaces, on brickwork, under plaster, in ducts or pipes. Not suitable for underground laying.

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 Ø	Average insulation thickness	Average sheath thickness	Max. external Ø	Max. electrical resistance at 20°C	Approx. cable weight
n° x mm^2	mm	mm	mm	mm	Ω/km	kg/km
1 x 1,0 + 1,0	1,1/1,1	0,6	0,9	4,8 x 6,0	18,1/18,1	40
1 x 1,5 + 1,0	1,4/1,1	0,7	0,9	5,3 x 6,6	12,1/18,1	57
2 x 1,0 + 1,0	1,1/1,1	0,6	0,9	4,8 x 8,7	18,1/18,1	63
2 x 1,5 + 1,0	1,4/1,1	0,7	0,9	5,3 x 9,7	12,1/18,1	81
2 x 2,5 + 1,5	1,8/1,4	0,8	1,0	6,2 x 11,7	7,41/12,1	115
2 x 4 + 1,5	2,4/1,4	0,8	1,0	6,9 x 13,1	4,61/12,1	160
2 x 6 + 2,5	3,1/1,8	0,8	1,1	7,8 x 15,0	3,08/7,41	220
2 x 10 +4	4,0/2,4	1,0	1,2	9,5 x 18,9	1,83/4,61	355
2 x 16 + 6	4,9/3,1	1,0	1,3	10,8 x 21,9	1,15/3,08	510
3 x 1,0 + 1,0	1,1/1,1	0,6	0,9	4,8 x 11,4	18,1/18,1	84
3 x 1,5 + 1,0	1,4/1,1	0,7	0,9	5,3 x 12,9	12,1/18,1	110
3 x 2,5 + 1,5	1,8/1,4	0,8	1,0	6,2 x 15,3	7,41/12,1	160