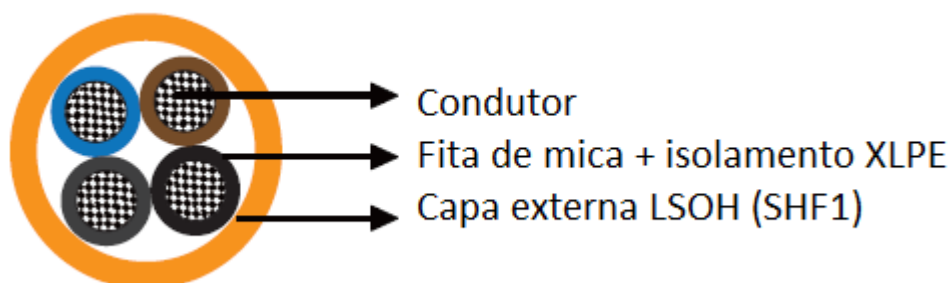




INNOVCABLE CONTROL/POWER - FIRE RESISTANT - MICA TAPE/XLPE/SHF1 - multicore - 0,6/1Kv - IEC 60331



- 1) Conductor formed by electrolytic bare copper wires or tinned, soft temper, class 5 stranding, according to IEC 60228. *1,7
- 2) Conductor insulation in mica tape and special halogen-free compound LSOH (XLPE). *4
- 3) Final covering in LSOH halogen-free polyolefin compound (SHF1), grey colour. *2,5

Identification

External Engraving:

INNOVCABLE INNOVSHORE FIRE RESISTANT XLPE/SHF1 ___mm² 0,6/1KV 90°C OF:
XXXX/ANO IEC 60092/60331.

Conductor insulation colours :

- 2 conductors: black and white or sequentially numbered white or black veins.
- 3 conductors: black, white and red or sequentially numbered white or black veins.
- 4-conductors: black, white red and blue or sequentially numbered white or black veins.
- 5-conductor: black, white red, blue and grey or sequentially numbered white or black veins.
- Multicore: > 5 conductors - sequentially numbered white or black veins.

Applicable Specifications



Strings: IEC 60228

Electrical installations in ships - Power cables for 1 kV and 3 kV voltages: IEC 60092-353

Meets the requirements for firing test - IEC 60332-1 and IEC 60332-3-22 , category "A".

Meets fire test - circuit integrity - procedures and requirements 0.6/1Kv - IEC 60331-21

Low Smoke emission: IEC 61034- 1/2

Shipborne energy cables - General construction and testing requirements: IEC 60092-350

Insulation materials and outer jacket for use on board offshore units, power, control, instrumentation and telecommunication cables: IEC 60092-360

Common test methods for insulation and outer jacket of materials of electric cables: IEC 60811

Halogen Free: IEC-60754-1/2

Application: IEC 60092 series

Certifications can be Batch Approval or Type Approval (depending on certification and certifier) -
Please contact us for further details.

Applications

FIRE RESISTANT power and control cable 0.6 / 1 kV with special properties for non-armoured electrical installations, for use on board ships and offshore units, in all fixed installation locations.



Temperature class 90 °C, flame retardant (IEC 60332-3), low smoke emission, halogen free, low toxicity and fire resistant "FIRE BARRIER" type (IEC 60331, 950 °C).

Maximum Conductor Temperature

CONTINUOUS DUTY: 90°C - IEC 60092-360

SHORT CIRCUIT: 250°C

Notes

* We manufacture with other configurations:

1) Tinned copper conductor can be manufactured in class 2.

2) External Coat Colours: Nomenclature to be added at the end of the code: VM - Red // VD - Green // BR - White // PT - Black // AZ - Blue // LJ - Orange

We can manufacture other colours upon request.

3-) Other dimensions: from 1,5mm² to 70,0mm² (also in AWG)

Other formations up to 71 conductors (consult maximum per gauge).

4) Vein insulation material:

EPR - 90 °C

HEPR - 90 °C

HF90 - 90 °C

5) Material of the intermediate layer and the cover:

ST2

SE

SHF2

6) At Innovcable's discretion, separators and/or fillers of compatible material may be used.

7) Nomenclature to be added at the end of the code according to the conductor type:

Bare copper conductor - CN

Tinned copper conductor - SN

**Innovcable reserves the right to change this catalogue without prior notice.



Construção n. de cond. x seção (mm ²)	Isolação Espessura Nominal mm	Capa Externa Espessura Nominal mm	Peso Nominal Kg/Km
2x1.5	0.7	1.1	85
2x2.5	0.7	1.1	110
2x4	0.9	1.1	140
2x6	0.9	1.2	230
2x10	0.9	1.2	330
2x16	0.9	1.3	490
2x25	0.9	1.3	750
2x35	0.9	1.5	990
2x50	1.0	1.5	1340
3x1.5	0.7	1.1	105
3x2.5	0.7	1.1	145
3x4	0.9	1.2	205
3x6	0.9	1.2	270
3x10	0.9	1.3	400
3x16	0.9	1.3	610
3x25	0.9	1.5	920
3x35	0.9	1.6	1330
3x50	1.0	1.7	1830
3x70	1.1	1.8	2570
4x1.5	0.7	1.1	135
4x2.5	0.7	1.1	180
4x4	0.9	1.2	260
4x6	0.9	1.2	350
4x10	0.9	1.3	530
4x16	0.9	1.4	800
4x25	0.9	1.5	1230
4x35	0.9	1.7	1650
5x1.5	0.7	1.1	170
7x1.5	0.7	1.2	210
12x1.5	0.7	1.3	350
19x1.5	0.7	1.4	520
27x1.5	0.7	1.5	730
37x1.5	0.7	1.6	980
5x2.5	0.7	1.2	240
7x2.5	0.7	1.2	300
12x2.5	0.7	1.3	490
19x2.5	0.7	1.4	750
27x2.5	0.7	1.5	1060

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