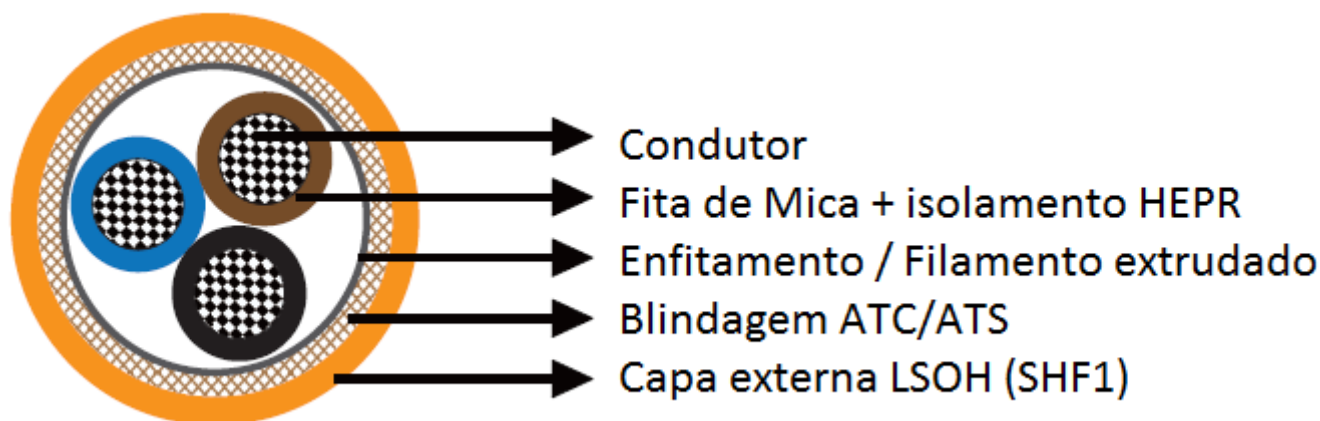




INNOVCABLE CONTROL/POWER LOCKED

BTC/BTS - FIRE RESISTANT - MICA

TAPE/HEPR/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 is made of mica tape and special halogen-free compound LSOH (HEPR).*4
- 3) Helically applied polyester tape or extruded wire strand.
- 4) Shielding: Braided bare copper wire (BTC), tinned copper (BTS) with coverage >90%. *8
- 5) Final covering: LSOH (SHF1) halogen free polyolefin compound, grey colour.*2,5

Identification

External recording:

INNOVCABLE INNOVSHORE FIRE RESISTANT BTC/BTS HEPR/SHF1 __X__mm² 0.6/1KV
90°C OF: XXXX/ANO IEC 60092/60331

Colours of conductor insulation : *3

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 FIRE COVERED cable for power and control 0.6 / 1 kV with special properties for electrical installations, for use on board ships and offshore units, in all fixed installation locations. The shielding provides protection against electromagnetic interference as standard. 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

HF90 - 90 °C

XLPE - 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

- 8) Types of Shielding:

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BTS - Tinned copper wire braid frame
BTC - Braided frame of bare copper wire

**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
2×1.5	0.7	1.2	210
2×2.5	0.7	1.2	250
2×4	0.7	1.3	300
2×6	0.7	1.3	410
2×10	0.7	1.4	550
2×16	0.7	1.5	720
2×25	0.9	1.6	1050
3×1.5	0.7	1.2	230
3×2.5	0.7	1.2	280
3×4	0.7	1.3	350
3×6	0.7	1.3	480
3×10	0.7	1.4	670
3×16	0.7	1.5	870
3×25	0.9	1.7	1300
3×35	0.9	1.8	1680
3×50	1.0	2.1	2190
3×70	1.1	2.0	3020
4×1.5	0.7	1.2	270
4×2.5	0.7	1.3	330
4×4	0.7	1.3	460
4×6	0.7	1.4	560
4×10	0.7	1.5	790
4×16	0.7	1.6	1090
4×25	0.9	1.8	1630
5×1.5	0.7	1.3	320
5×2.5	0.7	1.3	440
7×1.5	0.7	1.3	400
10×1.5	0.7	1.3	450
12×1.5	0.7	1.4	510
14×1.5	0.7	1.4	570
16×1.5	0.7	1.4	640
19×1.5	0.7	1.5	730
24×1.5	0.7	1.6	910

innovcable@innovcable.com.br
www.innovcable.com.br

Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park - Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

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