



INNOVCABLE INNOVSHORE CONTROL ARMOURED/SHIELDED ATA/ATC/ATS/AFC/AFA - BTC/BTS 0,6/1KV



- 1) Conductor formed by electrolytic bare copper wires or tinned, soft temper, class 5 stranding, according to IEC 60228.* 1,7
- 2) Conductor insulation of special halogen-free compound LSOH (HF-90). *4
- 3) Shielding in braided bare copper wire (BTC) or tinned copper (BTS). *8
- 4) Inner jacket in halogen-free polyolefin compound LSOH (SHF1). *5
- 5) Frame: braided galvanized steel wire (ATA), bare copper (ATC), tinned copper (ATS) with coverage >90%, copper tape (AFC) or steel tape (AFA), applied with overlapping. *9
- 6) Final covering in LSOH halogen-free polyolefin compound (SHF1), in grey colour. *2,5

Identification

External Recording:

INNOVSHORE ATA/ATC/ATS/AFC/AFA CONTROL CABLE - BTC/BTS __ x __mm² 0,6/1KV 90°C
OF: XXXX/ANO.

The conductors - sequentially numbered white insulation.*3

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".

Low Smoke emission: IEC 61034- 1/2

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

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.

Applications

Built and designed for the demanding environment of offshore drilling and the marine industry. Armoured cable provides protection where it is required. The braided shielding offers excellent protection against electromagnetic interference.

They are used in fixed installations, in trays, troughs, conduits, panels, among others. Indicated for use in control circuits, command and signaling, power supply, machine connection, among other environments. INNOVSHORE CABO CABO CABLE ARMED/PLUGGED ATA/ATC/ATS/AFC/AFA - BTC/BTS 0,6/1KV offers maximum resistance to chemical products, humidity and UV rays. Non halogen and improved under fire condition, anti-flame, does not produce toxic and corrosive gases. Exceeds IEC's specifications indicated.



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 Coating Colors: Nomenclature to be added at the end of the code: VM - Red // VD - Green // BR - White // PT - Black // AZ - Blue

We can manufacture other colours on request.

3) Different sections, colours and amount of veins, up to:

- 71 x 0,50mm² / 71 x 2,50mm²

- 52 x 4,00mm² / 52 x 4,00mm² / 42 x 6,00mm².

- 42 x 6,00mm²

- 20 x 10,0mm²

4) Insulation material of the veins:

EPR - 90 °C

HEPR - 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:

BTC - Braided shielding of bare copper wires

BTS - Tinned copper braided shielding

9) Types of shielding:

ATA - Braided armour of galvanized steel wires

ATS - Tinned copper braid shield

ATC - Bare copper braid frame

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AFC - Copper Tape Armour

AFA - Galvanized steel tape frame

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