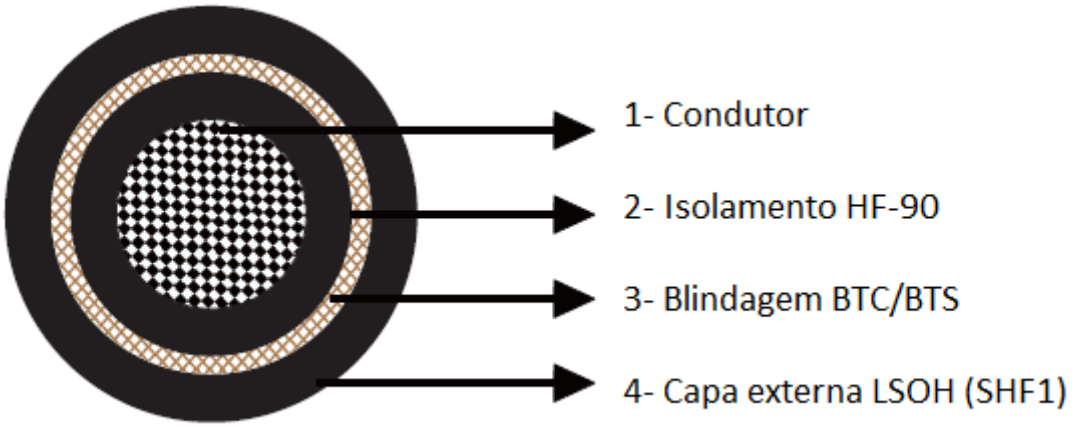
innovcable@innovcable.com.br
www.innovcable.com.br

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

innovcable

INNOVCABLE INNOVSHORE POWER BLINDED BTC/BTS 1 Conductor 0.6/1KV



1) Conductor formed by electrolytic bare copper wires or tinned, soft temper, class 5 stranding, according to IEC 60228.*1,6
2) Insulation in special halogen-free compound LSOH (HF-90)*3
3) Shielding: Bare copper braid (BTC) or tinned copper braid (BTS) with coverage >90%.*7
4) LSOH halogen free polyolefin compound (SHF1) cover.*2,4

Identification

External Engraving:
INNOVCABLE INNOVSHORE POWER BLINDED BTC/BTS __mm² 0.6/1KV 90°C OF: XXXX/YEAR.

Applicable Specifications

Strings: IEC 60228

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

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

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

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

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

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

Low Smoke emission: IEC 61034- 1/2

Application: IEC 60092 series.

Applications

Built and designed for the demanding environment of offshore drilling and the marine industry. The good quality of the copper shielding reduces electromagnetic interference and electrical interference in electronic installations.
They are used in fixed installations, in trays, gutters, conduits, panels, among others. Indicated for use in control circuits, command and signaling, power supply, machine connection, among other environments. INNOVSHORE POWER CABLE BTC/BTS 1 Conductor 0,6/1KV offers maximum resistance to chemical products, humidity and UV rays. Non-halogen and with improvement under fire condition, anti-flame, does not produce toxic and corrosive gases. Exceeds IEC's specifications indicated.

Maximum Conductor Temperature

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

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 layer colours: Nomenclature to be added at the end of the code: VM - Red // VD - Green // BR - White // PT - Black // AZ - Blue // CZ - Gray.
Other colours can be manufactured on request.
3) Vein insulation material:
EPR - 90 ºC
HEPR - 90 ºC
XLPE - 90 ºC
4) Material of the intermediate layer and the cover:
ST2
SE
SHF2
5) At Innovcable's discretion, separators and/or fillers of compatible material may be used.
6) Nomenclature to be added at the end of the code according to the conductor type:
Bare copper conductor - CN
Tinned copper conductor - SN
7) Types of Shielding:
BTS - Tinned copper braided shield
BTC - Braided shielding of bare copper wires

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

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

innovcable

Construção n. de cond. x seção (mm^2)	Isolação Espessura Nominal mm	Capa Externa Espessura Nominal mm	Diametro Externo Aproximado Nominal - mm	Peso Nominal Kg/Km
1×4	0.7	1.2	7.3	110
1×6	0.7	1.2	8.3	140
1×10	0.7	1.2	9.3	190
1×16	0.7	1.2	10.3	270
1×25	0.9	1.2	12.3	380
1×35	0.9	1.2	13.3	480
1×50	1.0	1.3	15.3	660
1×70	1.1	1.4	17.3	900
1×95	1.1	1.4	19.5	1170
1×120	1.2	1.5	21.0	1410
1×150	1.4	1.6	22.8	1750
1×185	1.6	1.6	24.8	2160
1×240	1.7	1.7	27.8	2770
1×300	1.8	1.8	30.3	3440