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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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INNOVCABLE FIRE ALARM SB - 300V - NBR 17240

1) Stranded conductor formed by electrolytic bare copper wires, soft temper, class 2 NBR NM 280 stranding.
2) Insulation in thermoplastic compound based on
thermoplastic compound based on polyvinyl chloride (PVC/A) 70° C.
3) Conductors in pairs or suits.
Pair: Black / Red.
Tern: Black / Red / White.
4) Pitch of twist: 50 to 65mm
5) Polyester tape separator.
6) Cover in thermoplastic compound based on polyvinyl chloride (PVC/A) in Red colour.

- Insulation voltage: 300V - NBR 6148

- Routine tests:
Electrical resistance of the conductor at 20ºC
Alternating current electric tension
Insulation resistance.

Identification

INNOVCABLE FIRE ALARM SB X X mm² 300V NBR 17240 OF:XXXX/YEAR.

Applicable Specifications

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NBR - 6880 - Copper conductors for insulated cables - standardization

NBR - 6148 - Conductors with extruded polyvinyl chloride (PVC) insulation for voltages up to 750V - specification.

NBR - 9441 - Execution of fire detection and fire alarm systems

NBR 17240 - Fire detection and fire alarm systems - Design, installation, commissioning and maintenance of fire detection and fire alarm systems - Requirements

NBR - 10898 - Emergency lighting system

NBR - 13848 - Add manual

NBR - 11836 - Smoke detector

Applications

They are used in fixed installations of fire alarm systems for conducting analog (4 - 20mA) and digital signals, point-to-point instrumentation, Hart® protocol, connections of various sensors and meters, power supply to conventional and electronic relays, in industrial environments generally related to fire detection and alarm systems, intruder security systems, remote measurement systems and emergency lighting systems.
FIRE ALARM SB 300V cables are recommended for continuous installation with galvanised steel pipes. Cable constructed to comply with NBR 17240.
Excellent flexibility, resistance to chemicals, humidity and UV rays, anti-flame and self-extinguishing complying with the vertical flame propagation tests, according to NBR NM IEC 60332-3-23, category B.

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Maximum Conductor Temperature

Conductor temperature under continuous regime: 70ºC (PVC/A)

- Can be made with other insulations:
Vein insulation material / other temperatures:
PVC/E - 105 ºC
XLPE - 125 ºC or 90 ºC
HEPR - 90 ºC

Notes

OTHER CONFIGURATIONS CAN BE MANUFACTURED ON REQUEST:
1- Tinned copper conductor.
Class 1, 4 or 5 stranding.
Quad formation.
2- Different sections and number of veins.
3- Vein insulation material / other temperatures:
PVC/E -105 ºC
XLPE - 125 ºC or 90 ºC
HEPR - 90 ºC
PE - 80 ºC
4- Material of the intermediate layer and the cover:
PE
PVC/ST1
PVC/ST2
Special PVC resistant to oils, grease and other chemical products.
LSZH (non-halogenated polyolefin compound)
5- Cover perfectly cylindrical for applications with cable glands in classified areas (Ex)

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6- Insulation voltage: 300V, 750V or 0,6/1KV.

Innovcable reserves the right to modify this catalogue without prior notice.

Dimensionais				
Bítola	**ø Isolação**	**Espessura**	**ø Cobertura**	**Peso**
(mm²)	Nominal	Nominal	Nominal	liq./Km
1Px0.32	1.64	0.40	4.60	33.0
1Px0.50	1.80	0.40	4.80	38.0
1Px0.75	2.0	0.40	5.30	41.0
1Px1.00	2.15	0.40	5.60	47.0
1Px1.50	2.38	0.40	6.30	59.0