

**TECHNICAL DATA SHEET**

# FULMELEC INSTANTÁNEO (INSTANTANEOUS FULMELEC)

Generic Name by SUCAMEC: ELECTRIC - ELECTRONIC DETONATOR

**DESCRIPTION AND COMPOSITION:**

INSTANTANEOUS FULMELEC (Instant Electrical) consists of an aluminum capsule containing an internal secondary charge with a shattering characteristic and a primary charge sensitive to an electrical droplet, which is attached to the electrical power conductors.

**USES:**

The INSTANTANEOUS FULMELEC is designed to detonate immediately after applying sufficient current intensity, taking into account the capacity of the blasting machine. It is used for blasting initiation in surface mining, subway mining and civil construction works.

The handling temperature range of the INSTANTANEOUS FULMELEC is from 0°C up to 35°C. For different temperatures it is recommended to contact the Technical Assistance area.


**TECHNICAL CHARACTERISTICS:**

	UNIT	INSTANTANEOUS FULMELEC
Wire Color	---	Blue - Red
Resistance to hydrostatic pressure for 1 hour	kg/cm <sup>2</sup>	2.1
Esopo Test, Drilling Diameter	mm	Min. 9.0
Resistance to Impact 2 kg/1m	---	Does not initiate
Trauzl Volume	cm <sup>3</sup>	Min. 23.0
Electrical resistance of the wire	ohm/m	0.053
Electrical resistance of the droplet	ohm	1.5
Ignition impulse	mWs/ohm	3
Protection against erratic currents	A	Max. 0.18

The values expressed are results at normal conditions (20°C and 1 atm.)

**PACKAGING:**
**Packaging 1.1B**

	BOX MATERIAL	BOX CAPACITY (Pcs.)	NET WEIGHT (Kg)	GROSS WEIGHT (Kg)	OUTER DIMENSIONS (cm)
INSTANTANEOUS FULMELEC 3 m	Cardboard	500	15.1	16.1	44.3 x 41.8 x 26.0
INSTANTANEOUS FULMELEC 4 m	Cardboard	500	19.1	20.1	44.3 x 41.8 x 26.0

INSTANTANEOUS FULMELEC 5 m	Cardboard	400	18.7	19.7	44.3 x 41.8 x 26.0
INSTANTANEOUS FULMELEC 6 m	Cardboard	400	22.3	23.3	44.3 x 41.8 x 26.0

**Packaging 1.4B(\*)**

	BOX MATERIAL	BOX CAPACITY (Pcs.)	NET WEIGHT (Kg)	GROSS WEIGHT (Kg)	OUTER DIMENSIONS (cm)
INSTANTANEOUS FULMELEC 3 m	Cardboard	400	12.1	18.1	66.5 x 33.5 x 32.5
INSTANTANEOUS FULMELEC 4 m	Cardboard	400	15.4	21.7	66.5 x 33.5 x 32.5
INSTANTANEOUS FULMELEC 5 m	Cardboard	320	14.6	21.2	66.5 x 33.5 x 32.5
INSTANTANEOUS FULMELEC 6 m	Cardboard	320	17.4	24.0	66.5 x 33.5 x 32.5

(\*) DOT approved packaging (EX2007100500).

**TRANSPORT:**

Class : 1  
Division : 1.1B  
UN No. : 0360



Class : 1  
Division : 1.4B  
UN No. : 0255


**STORAGE AND WARRANTY:**

INSTANTANEOUS FULMELEC should be stored in magazines at **temperatures between 5°C and 30°C**, located in safe, well ventilated, dry areas, protected from rain and heat. Also, the explosive inventory should be rotated, avoiding the use of new materials before using old ones. And it must be stored according to the current compatibility table of the relevant authority.

INSTANTANEOUS FULMELEC, when kept in its original packaging and stored under the previously mentioned temperature conditions, is covered by a **24-month warranty** from the date of production.

**WARNING:**

FAMESA EXPLOSIVOS S.A.C. has safe products, but they may become dangerous elements in inexperienced hands.

The purchaser or user must comply with the applicable regulations during transport, storage and use, as well as train duly all its personnel involved in its loading and handling, providing mechanical aids for loads over 25 kg per person.

FAMESA EXPLOSIVOS S.A.C. assumes no liability for transport, storage and/or improper use their products may experience.

The information and recommendation described in this document do not necessarily cover all product applications nor the different conditions under which it is being used. These are based on the experience, research and tests done by Famesa Explosivos S.A.C., who does not guarantee favorable results nor assume any responsibility, expressed or implied, in relation to the use of these suggestions. This product may be changed without prior notice.