

TECHNICAL DATA SHEET

CORDÓN DETONANTE (DETONATING CORD)

Generic Name by SUCAMEC: CORDÓN DETONANTE (DETONATING CORD)

DESCRIPTION AND COMPOSITION:

The DETONATING CORD is a blasting accessory, which has characteristics such as: high detonation velocity, easy handling and safety.

The DETONATING CORD is formed by a core of penthrite (PETN), which is covered with synthetic fibers and lined with a plastic material. In the case of reinforced cords, additional yarns and kerosene resins are used to provide the product with greater resistance to abrasion and traction.


TYPES AND USES:

In order to satisfy the market requirements, FAMESA EXPLOSIVOS S.A.C. offers the following types:

- DETONATING CORD 3P: It is a low weight Detonating Cord developed to initiate Fanel, Mininel and for secondary blasting.
- DETONATING CORD 3PE: It is a reinforced Detonating Cord of low grammage, high resistance to traction, abrasion and a high degree of impermeability, developed to work in descending lines in small diameter drills.
- DETONATING CORD 5P: Generally intended as a trunk line in primary or secondary blasting, or as a descending line in small or intermediate diameter drill holes, both in surface and subway mining. It is also used to initiate the Fanel or Mininel.
- DETONATING CORD 5PE: It is a reinforced Detonating Cord with high resistance to traction, abrasion and a high degree of impermeability so it can be used in surface and subway mining works.
- DETONATING CORD 8P and 10P: These are heavier weight cords that can be used as trunk and descending lines in any special surface or underground mining work.
- DETONATING CORD 8PE and 10PE: They are reinforced accessories with high resistance to traction, abrasion and a high degree of impermeability for blasting works with demanding conditions of rigorousness. These cords can remain loaded for a period of time without deteriorating until the respective blasting is carried out.

The use of this accessory is oriented to surface mining and underground mining, as it works adequately in primary, secondary and massive blasting.

The handling temperature range of the DETONATING CORD is from 0°C up to 40°C. For different temperatures it is recommended to contact the Technical Assistance area.

TECHNICAL CHARACTERISTICS:

	UNIT	3P	3PE	5P	5PE	8P	8PE	10P	10PE
Load Weight	g/m	Min. 4	Min. 4	Min. 5	Min. 6	Min. 8	Min. 8	Min. 10	Min. 10
Tensile Strength*	kg	Min. 60	Min. 70	Min. 60	Min. 70	Min. 60	Min. 70	Min. 60	Min. 70
Velocity of Detonation	m/s	Min. 6 800	Min. 6 800	Min. 7 000	Min. 7 000	Min. 7 000	Min. 7 000	Min. 7 000	Min. 7 000

*Breaking force evaluated in traction equipment at a rate of 65 mm/min.

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

PACKAGING:
Packing 1.1D

	BOX MATERIAL	BOX CAPACITY (Pcs.)	NET WEIGHT (Kg)	GROSS WEIGHT (Kg)	OUTER DIMENSIONS (cm)
DETONATING CORD 3P	Cardboard	2 rolls x 750 m	16.5	18.6	65.8 x 33.0 x 22.3
DETONATING CORD 3PE	Cardboard	2 rolls x 750 m	19.2	21.2	65.8 x 33.0 x 22.3
DETONATING CORD 5P	Cardboard	2 rolls x 750 m	18.9	21.0	65.8 x 33.0 x 22.3
DETONATING CORD 5PE	Cardboard	2 rolls x 600 m	18.9	20.9	65.8 x 33.0 x 22.3
DETONATING CORD 8P	Cardboard	2 rolls x 500 m	18.0	20.0	65.8 x 33.0 x 22.3
DETONATING CORD 8PE	Cardboard	2 rolls x 500 m	19.2	21.2	65.8 x 33.0 x 22.3
DETONATING CORD 10P	Cardboard	2 rolls x 500 m	20.4	22.4	65.8 x 33.0 x 22.3
DETONATING CORD 10PE	Cardboard	2 rolls x 500 m	22.9	24.9	65.8 x 33.0 x 22.3

TRANSPORT:

Class : 1
Division : 1.1D
UN No. : 0065


STORAGE AND WARRANTY:

The DETONATING CORD should be stored in magazines at **temperatures between 0°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.

The DETONATING CORD kept in its original packaging and stored in the above mentioned temperature conditions is **guaranteed for 36 months** after its production date.

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.