

# MAXEL™

## Instantaneous Electric Detonators

### Product Description

**MAXEL™** Instantaneous Electric Detonators have no delay element and fire instantaneously. They have plastic coated, copper leg wires. The end of the leg wires protected by a plastic end cap to protect from corrosion and stray electric currents.

### Application

**MAXEL™** instantaneous electric detonators are designed primarily for the initiation of a blasting network or to initiate an in-hole explosive instantaneously. This product is suitable for use in blasting operations of underground and surface mining, quarry and construction projects, where there is no existing explosion hazard of either methane or mine dust.

The detonator cannot be used in blasting operations where there is a risk of explosion hazard from flammable gases.

### Properties

<b>Initiating Strength</b>	No. 8 detonator
<b>Temperature Range</b>	-40°C - +75°C
<b>Water Resistance</b>	Immersed at 1m for 72 hours with no loss of functional reliability
<b>Safe Current</b>	0.2A DC for 5 minutes
<b>Firing Current</b>	0.45A DC minimum
<b>Tensile Strength</b>	Tested at 70N for one minute with no loss of physical connection
<b>Sensitivity to Electrostatic Charge</b>	500pF capacitance with 15KV charging voltage

### Storage and Handling

During handling and transportation, the product should be handled with great care, and should never be dropped, knocked or subjected to any impact. It should always be stored away from sources of heat in a dry, cool, well ventilated magazine.

The shelf life of this product is two (2) years when stored correctly.

Proper Shipping Name	UN No.	Class
DETONATOR, ELECTRIC for blasting	0030	1.1B

## TECHNICAL DATA



### Packaging

Leg Wire Length (m)	Qty/Case
2.0	400

**MAXEL™** instantaneous electric detonators are packed into small boxes then into cardboard cartons. Each small box contains forty (40) detonators and there are ten (10) boxes per carton.

The dimensions of the carton are 380 x 280 x 225mm.

### Safety

During operations care must be taken when handling the leg wires to prevent damage to the wire or insulation caused by friction, breakage, burning or cutting.

When the leg wires are connected to the firing cable, the connections should be wrapped with insulation tape to prevent current leakage. The circuit should be checked for current leakage prior to blasting. The current generated by this measuring instrument should not exceed 50mA.

**First Aid** - Refer to the Safety Data Sheet for **MAXEL™** instantaneous electric detonators.

**Safety** – All explosives are classified as dangerous goods and must be handled and stored with care. Misuse may result in personal injury and/or damage to property.



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