

Supreme AED

Aluminium Instantaneous Electric Detonator



Description & Application

The Aluminium Instantaneous Electric Detonator is an initiating system of explosives charge that can convert an electric impulse into a detonation.

The Aluminium detonator shell contains a base charge of PETN and Primary Charge of Lead Azide, Lead Styphnate & Aluminium powder.

The Aluminium Instantaneous Electric Detonator is designed to provide instantaneous detonation of explosive or detonating cord in quarries, surface operations, open pit mines and construction projects.

Advantages

- Always use shot source that can provide a current flow greater than 1.2 Amps
- Never handle or use electric detonators in the presence of static or erratic electricity or electric storm.
- Open the shorted ends of lead wire only to verify the continuity and initiate the blasting.
- Never connect Supreme AED to other electric detonators with different sensitivity or blasting characteristics.
- Do not use in gassy environments.

Technical Properties

| | |
|----------------------------------|--|
| Identification Mark | EEL mark on plug |
| Shell Length | 42 mm |
| MOC of Shell | Aluminium |
| Detonator Strength* | No 8 |
| Type | Instantaneous |
| Wire Length | as per customer req. |
| Wire Colour | Orange# |
| Wire Material | GI / Copper |
| Wire Resistance | 0.05-0.07ohms/Mtr (Cu) |
| | 0.5-0.7 ohms / Mtr (GI) |
| Series Firing Current | 1.2 A for 4 ms |
| All Firing Impulse | 2.5 MJ |
| No Firing Current | 0.18 Amp for 5 Mins |
| Min Single Fire Current | 0.8 A for 4 ms |
| Fusehead Resistance | 1.6 to 2.0 ohms |
| Use Temperature | -20 deg C to 60 deg C |
| Water Resistance | Excellent |
| Resistance to Hydraulic Pressure | 3 Kgs for 48 Hours |
| Insensitivity to Impact | 2 Kgs drop from a height of 0.4 Mtr |
| Drop Test | from 5 mtr high |
| Jolt Test | 60 jolts per min from 150 mm height for 30 mins. |

Other Lead wire colour can be given on request
No. 8* is available on request.

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Packing

| Length | Qty. per Case | Qty. per Bundle | Qty. per Packet | GI Wire (in Kgs) | |
|----------|---------------|-----------------|-----------------|------------------|---------|
| | | | | Gross Wt. | Net Wt. |
| 1.5 Mtr. | 1500 | 25 | 50 | 16 | 14 |
| 1.8 Mtr. | 1500 | 25 | 50 | 18 | 16 |
| 2.0 Mtr. | 1000 | 25 | 50 | 14 | 12 |
| 3.0 Mtr. | 1000 | 25 | 25 | 19 | 17 |

| Length | Qty. per Case | Qty. per Bundle | Qty. per Packet | Copper Wire (in Kgs) | |
|----------|---------------|-----------------|-----------------|----------------------|---------|
| | | | | Gross Wt. | Net Wt. |
| 1.5 Mtr. | 1000 | 25 | 50 | 14.5 | 12.5 |
| 1.8 Mtr. | 1000 | 25 | 50 | 17 | 15 |
| 2.0 Mtr. | 1000 | 25 | 50 | 18 | 16 |
| 3.0 Mtr. | 750 | 25 | 25 | 19 | 17 |

Storage

For the best results, store under moderate temperatures and dry conditions in a wellventilated, approved magazine.

Shelf Life

If stored in cool, dry, well ventilated magazine and handled properly, the maximum shelf life of Supreme AED is 3 years from the date of manufacture.

Shipping Information :

Authorised Name of Explosive : SUPREME ALUMINIUM INSTANTANEOUS ELECTRIC DETONATOR
 Proper Shipping Name : DETONATORS, ELECTRIC for Blasting
 Class / Div. : 1.1B
 UN No. : 0030

Disposal

The disposal of explosives material is dangerous and require special training. Methods used for safe disposal may vary from case to case and will depend upon conditions under which the operations take place. For further information please contact Solar representative in your area.

Disclaimer

Use of these products by anyone who lacks adequate training, experience & supervision may kill or injure. It is expressly understood that any technical advice furnished by EEL with reference to the use of its Products is given gratis & EEL assumes no obligation or liability for the advice given or results obtained, & all such advice being given is accepted at Customer's risk.

EEL makes no warranty of any kind, written or oral, express or implied, except that the Products shall meet EEL's standard specifications for such Products. Customer shall assume all risk and liability for results obtained by the use of such Products whether used singly or in combination with other products. Under no circumstances shall EEL or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.

Any dispute arising out of above information shall be dealt in accordance with the laws of Republic of India and subject to jurisdiction of Courts at Nagpur, India.

*Images are just for reference and can be changed without any intimations

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