

CDET ELECTRA-G

PERMITTED INSTANTANEOUS ELECTRIC DETONATORS

Permitted Instantaneous Electric Detonators (Permitted IED) are used for simultaneous initiation of multiple explosive charges in a controlled manner having application in gassy underground mines. After setting up a series of Permitted IED's, the explosives are set-off using an 'Exploder' which provides the small amount of energy required in the form of electrical impulse.

CDET Electra-G Permitted Instantaneous Electric Detonator constitutes of a copper shell filled with ASA as primary and PETN as secondary charge. The shell is fitted with an electric fuse head soldered to a pair of PVC coated wires termed as leg wires. The leg wires are strung through a PVC plug and crimped at the mouth of the detonator for protection against moisture and water. The bare ends of the leg wires are conjoined for protection against stray currents.

SPECIFICATIONS

Classification	
Indian Explosives Rules 1983	Class 6, Division 3
U.N. Number	0030
Shell Specifications	
Material	Copper
Length	42 mm
Detonator Specifications	
Leg Wire Lengths (Metres)	As per requirement
Fusehead Resistance	1.6 to 2.2 Ohms
Firing Impulse	3.2 Milliwatt Seconds per Ohm
Firing Current	1.2 Amperes DC (For Series) 0.8 Amperes DC (For Single)
No-Fire current	0.18 Amperes applied for 300 seconds

PACKING

CDET Electra-G Instantaneous Electric Detonators are packed in a corrugated fibreboard box forming a total packing of 1000/1500 Detonators. The box contains packets of craft paper, each packet wrapping 50 Detonators. The detonators are tied in a bundle of 25 Detonators each.

The information given in this brochure cannot possibly cover every application of the products or every condition under which the products are used. The manufacturer does not make any warranty of any kind, expressed or implied, other than that the products shall be of merchantable quality. The properties and characteristics of products are based on research and experience and are believed to be accurate. Purchasers should make their own assessment to determine the suitability of the products and applicability for their particular purpose. Explosive materials are dangerous and must be stored/handled following approved regulations and safety procedures under competent supervision. In no event shall the manufacturer be liable for consequential damages or expenses. Products described are subject to changes without notice and buyers are advised to contact the manufacturer for verification.

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