ELECTRIC SUPER™ STARTER

Technical Information

Electric Instant Detonator

Product Description

ELECTRIC SUPER STARTER is an instant electric detonator housed in a plastic bunch block, facilitating easy connection to both shock tube and detonating cord. ELECTRIC SUPER STARTER legwires are insulated with a superior polyolefin material which offers excellent resistance to cuts, abrasion, oil, low temperature and high humidity as well as other harsh environments in various rugged blasting applications. The Dyno Nobel shunt protects the factory stripped wire ends from corrosion and shields them from stray current.

ELECTRIC SUPER STARTER has shown impressive improvements with easy connection to both shock tube and detonating cords. Recommended firing current:

Series wiring:	a minimum of 3 amps AC or 1.5 amps DC
Parallel wiring:	a minimum of 1 amp AC or DC per detonator
Series-in-parallel wiring:	a minimum of 2 amps AC or DC per series

The maximum recommended continuous firing current is 10 amps per detonator.

Properties

SDS #1076

Shell Material	Aluminum
Shell Length	68.6 mm / 2.7 in
Legwire Material	Copper (single)
Legwire Color	Turquoise & Yellow
Maximum Water Depth	76 m 250 ft
Shelf Life Maximum	3 years (from date of production)
Maximum Usage Temperature	+ 66°C (150°F)
Net Explosive Content per 100 units	0.0570 kg 0.1256 lb

Hazardous Shipping Description

Detonator, Electric, 1.4B, UN 0255 II

See Product Disclaimer on page 2

DYNO® Dyno Nobel

Groundbreaking Performance™

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Application Recommendations

- **NEVER** use an ELECTRIC SUPER STARTER detonator with other Dyno Nobel electric detonators or electric detonators from another manufacturer. Wiring different brand electric detonators together in a blast circuit may result in misfires and is in violation of federal regulations. Even though some types of Dyno Nobel electric detonators are electrically compatible, they should not be used together as a standard blasting practice.
- **NEVER** use electric detonators near radio frequency transmitters unless in accordance with IME SLP 20.

- **Radio Frequency Hazard Alert**
- When blasting with electric detonators, no personal communication equipment of any type should be on the blast site regardless of whether it is on or off. This includes but is not limited to: portable / hand held radios, radio modems, pagers, mobile and cell phones.
- Radio-Frequency (RF) transmitters include but are not limited to: AM and FM radio; television, radar; cellular phones and other devices that are cellular based (i.e., on-board vehicle systems like "On Star"); wireless data acquisition systems; personal data devices such as "Palm Pilots" and "Pocket PCs" with built-in cellular phones or communication systems; Pagers; and Global Positioning Systems (GPS) base stations.
- Refer to the Institute of Makers of Explosives Safety Library Publication #20 for distance / wattage parameters and guidance when using two-way radios and cell phones near electric detonators.

Transportation, Storage and Handling

- ELECTRIC SUPER STARTER must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.
- For maximum shelf life (3 years), ELECTRIC SUPER STARTER must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library Publications of the Institute of Makers of Explosives.
- The disposable shipping tray is not part of the legal shipping package and is used only to prevent "relative motion" while in transit. If the tray is not used, it is mandatory that all explosives shipments are properly blocked and braced.

Packaging

Legwire Length		Part Number	Wire Configuration	Nominal Resistance (ohms)[a]	Quantity per	
m	ft				Carton	Tray[b]
3,5	12	8030101200H [c]	Kirked	1.92	15	150
3.5	12	8030201200H	Kirked	1.92[a]	25	250

Length rounded to nearest whole meter.
[a] #21 AWG, single kirked
[b] 10 shipping cases per disposable shipping tray
[c] Includes bunch block

Case Dimensions

26.5 x 16 x 10 cm 10⅜ x 6¼ x 3⅞ in

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