



SURFACE CONNECTOR (SC) DETONATOR

SC (inter-hole/inter-row) detonators consist of a single low strength, aluminium delay detonator, attached to a length of plastic shock tube. The detonator is housed within a colour coded plastic connector block.

Each connector block allows up to eight outgoing shock tubes to be initiated. The free end of the shock tube is closed with a waterproof seal and fitted with a plastic J clip for use with detonating cord.

SC detonators are designed to be used in conjunction with millisecond in-hole detonators



APPLICATION

SC detonators are designed as a surface (inter-hole/inter-row) relay system, which enables an unlimited number of blastholes to be fired in sequence.

SC detonators are commonly used in conjunction with a delay detonator in every blasthole. The normal practice is for all the inhole detonators to have the same delay period and, as a result, the SC surface detonators control the firing sequence.

FEATURES AND BENEFITS

- Space for 8 shock tubes (4 x 2) within the connector block
- Easy clipping connector block for good shock tube retention
- Relaxed (non rigid) shock tube
- Convenient packaging - coiled, not figure eight
- Range of conventional delay periods and non common delay periods available on request

PHYSICAL PROPERTIES

Detonator	No 4 Strength
Shock Tube Colour	Red
Shock Tube Diameter	3mm
Shock Tube VOD	2000m/s
Packaged as Explosives Class: 1.4S UN No: 0500	

NOTE: SC detonators are NOT suitable for the initiation of detonating cord

NOMINAL DELAY RANGE (ms)

0*	9*	17	25	42	67	100*	200*
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*Special request only

PACKAGING

Length (m)	4.9	6	9
Case Weight (kg)	5	5	5
Units Per Case	80	80	60

STORAGE AND HANDLING

SC detonators should be stored in a cool, dry magazine licensed for detonators.

SHELF LIFE

Shelf life is four years when stored in ideal conditions. Once shrink wrap is broken product must be used within 12 months.

*If product exceeds the four year shelf life, please contact JOHNEX to arrange appropriate quality control tests to determine product stability and where possible an extension of the nominated shelf life.

SAFETY

SC detonators provide a high level of safety against initiation by static electricity, stray electrical currents and radio frequency transmissions. The plastic connector block fully encloses the delay detonator and guards against accidental initiation. However, SC detonators contain sensitive explosive components and all care should be taken to avoid accidental initiation by impact, friction or heat. The detonator is factory assembled into the connector block and no attempt should be made to disassemble it.

For more information please consult the Safety Data Sheet.