



## INSTANTANEOUS ELECTRIC DETONATORS

JOHNEX INSTANTANEOUS ELECTRIC DETONATORS contain a priming composition of RDX base charge inside a cylindrical aluminium alloy shell, with red and grey lead wires and have been designed for use in the mining industry.

### APPLICATION

JOHNEX INSTANTANEOUS ELECTRIC DETONATORS are ideal for initiating systems appropriate for mining and commercial applications. JOHNEX INSTANTANEOUS ELECTRIC DETONATORS are commonly used to initiate cast primers, detonating cord and cap sensitive cartridge explosives. JOHNEX INSTANTANEOUS ELECTRIC DETONATORS can be used in wet conditions if adequate precautions are taken to protect the lead-wire connections.

### FEATURES AND BENEFITS

- Base charge of RDX provides a high level of safety against accidental initiation by impact, static, heat, stray electrical currents and radio frequency transmissions.
- Sensitive components housed inside the detonators.
- Can be used at elevated temperatures up to 70°C.
- Packaged as Class 1.1B with 50 detonators per box.
- Water resistant up to a depth of 20m, immersing time of 8 hours.
- Shelf life of 2 years under ideal conditions, once vacuum sealed bag is opened.

### PHYSICAL PROPERTIES

Detonator	No 8 Strength
Shell Composition	Aluminium
Shell Diameter	7.1mm
Base Charge	600mg RDX
Fusehead Resistance	2.2 - 3.0 Ω
Detonator Resistance	2.4 - 3.2 Ω
Minimum Firing Current	≤ 0.45 Amps
Lead Wire Colours	Grey/Red
Lead Wire Type	Copper
Lead Wire Diameter	0.9 - 1.0mm
Lead Wire Resistance	0.05 Ω /m
Lead Wire Length	2.0m
Explosives Class: 1.1B UN No: 0030	



### STANDARD PACKAGING

PRODUCT	WEIGHT (kg)	QTY
INSTANTANEOUS ELECTRIC DETONATOR	< 1	50

### STORAGE AND HANDLING

JOHNEX INSTANTANEOUS ELECTRIC DETONATORS should be stored in a cool, dry, ventilated magazine licensed for Class 1.1B detonators.

### SHELF LIFE

JOHNEX INSTANTANEOUS ELECTRIC DETONATORS have a recommended shelf life of two (2) years when stored as per AS2187.1. Once individual shrink wrap has been broken, magazine stock should be rotated.

### SAFETY

JOHNEX INSTANTANEOUS ELECTRIC DETONATORS are supplied in tight coils with the ends of the lead-wires shorted and sheathed. Always keep wire shunted until required.

This configuration safeguards against accidental initiation by stray currents or radio frequency transmissions.

Note that JOHNEX INSTANTANEOUS ELECTRIC DETONATORS may initiate if the lead-wires touch the aerial of the radio transmitter (including mobile telephones). Normal blasting procedures must ensure that radio transmitters are not allowed near electric detonators.

For more information, please consult the Materials Safety Data Sheet.