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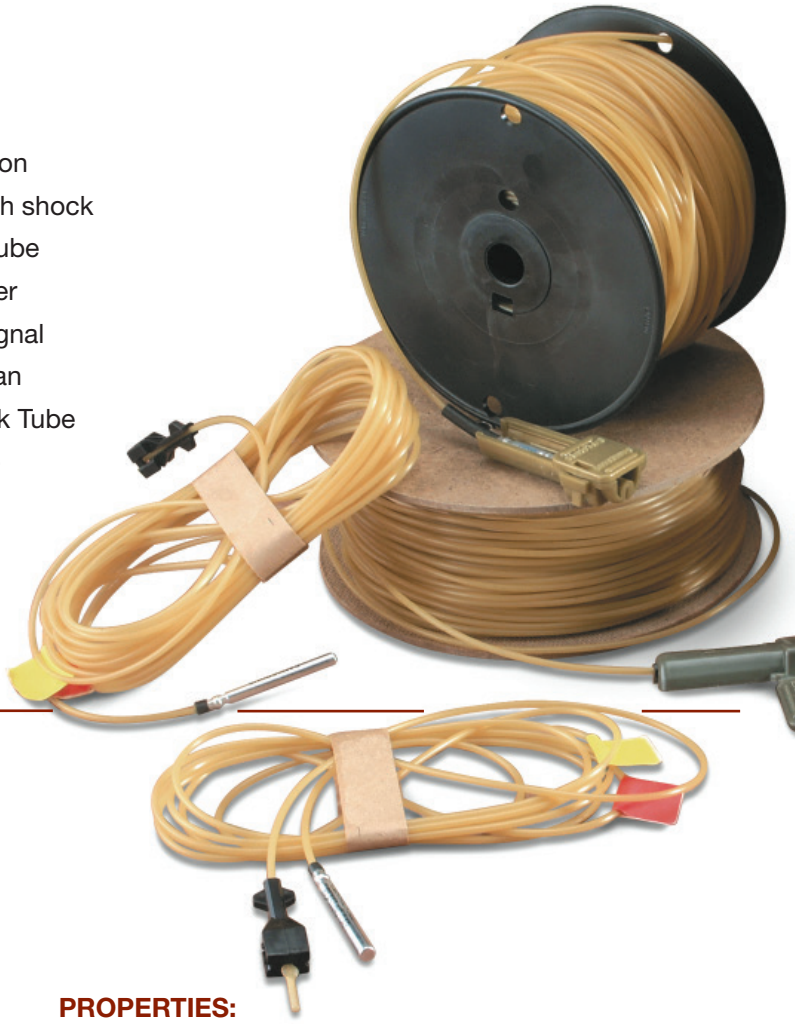
Shock Tube Detonator

PRODUCT TECHNICAL DATA SHEET



DESCRIPTION:

The Shock Tube Detonator is a linear signal transmission device designed to transmit an energetic signal through shock tube to a detonator. Shock tube is a hollow extruded tube containing a thin layer of energetic materials on its inner diameter. Once initiated, the shock tube transmits a signal to a detonating output charge, typically incorporating an instantaneous output or a pre-determined delay. Shock Tube Detonator is available with an optional patented in-line initiator consisting of a threaded adapter and a pre-installed percussion primer providing convenient and reliable initiation.

APPLICATION:

The Shock Tube Detonator is designed to initiate explosives and other energetic materials. The Shock Tube Detonator is compatible with munitions, cap wells, detonating cords, high explosives and lead-in-lines.

- Military demolitions
- Explosive ordnance disposal
- Minefield clearance
- Explosive testing
- Breaching
- Special applications

PROPERTIES:

- Not sensitive to EMF
- Water resistant
- Substitute for detonating cord
- Available in varied lengths
- Instant or delayed configurations
- Military strength detonators
- High abrasion resistance

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MSDS No:
MSDSD10416/1

EX-2001100016, EX-2001100017
EX-2001100018, EX-2001100019
Detonator assemblies, Non-electric, UN0500
1.4S

Shock Tube Detonator

SPECIFICATIONS:

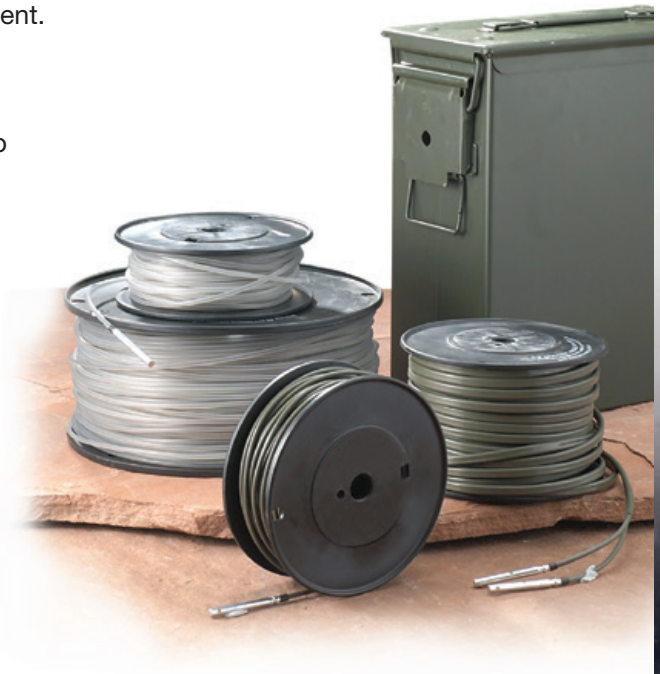
AVAILABLE CONFIGURATIONS*

SHOCK TUBE	COLOR OPTIONS	INITIATION END OPTIONS	OUTPUT END OPTIONS	PACKAGING OPTIONS
0.085 Single	Blue (Training Only)	Standard In-line Initiator	Instant Detonator (Military Strength)	Spool
0.085 Dual	Bronze (Inert Only)	Universal In-line Initiator (Universal Nut)	Delay Detonator, 3.8s (Military Strength)**	Figure 80
0.118 Single	Clear	Fathead In-line Initiator (with M81 Type Firing Assembly)	Delay Detonator, 6.4s (Military Strength)**	FanPak
0.118 Dual	Olive Drab	Heat Seal	Delay Detonator, 9.6s (Military Strength)**	Coil
	Orange		Heat Seal	
	White			
	Yellow			

* All configurations begin with part number D11338
** Other delay times available upon request

OPERATION:

Ensign-Bickford Aerospace & Defense Company (EBA&D) has configurations to save logistical footprint and aid in deployment. Most detonators are available in a 1.4S configuration to maximize ease of transport. The Dual Shock Tube Detonator allows for dual path redundancy from the point of initiation to the target. “Minitube” (0.085 inches, 2 mm) detonator assemblies exhibit decreased coil memory over standard 0.118 inches (3mm) shock tube assemblies. In addition, “Minitube” provides a 40% reduction in weight and volume.



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