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M700 Safety Fuse

PRODUCT TECHNICAL DATA SHEET

DESCRIPTION:

M700 Safety Fuse is a heritage linear textile and pyrotechnic cord used to create a time delay. Due to confinement of a center core of black powder, time fuse burns at a nominal rate of 40 seconds per foot (130 seconds per meter). The output of time fuse is a notable spit of flame and burning particles. This spit is what initiates the sensitive ignition powders found in fuse caps.

APPLICATION:

M700 Safety Fuse is a time-proven, reliable product used for a wide range of military and commercial applications:

- Delay fuse caps
- Demolitions
- Minefield clearance
- Obstacle breaching
- Range clearance
- Explosive ordnance disposal
- Explosive testing

PROPERTIES:

- Can be cut to length to achieve a desired time delay
- Allows the demolition engineer or blaster to retreat to a safe position
- The units are marked with indicators at 18 inch (457 mm) intervals (60 seconds) for ease of use.
- Compatible with M7 fuse detonators
- Will not light itself

Breaching | EOD & Demolition | Industrial

Cleared for Open Publication by the Office of Security Review, Department of Defense 12/12/2013 **14-S-0409**

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EX-8311105
Fuse, Safety (COMMERCIAL)
UN0105, 1.4S

EX-1986030070
Fuse, Safety (MILITARY M700)
UN0105, 1.4S

M700 Safety Fuse

SPECIFICATIONS:

	SAFETY FUSE LENGTH (NOMINAL)		PACKAGING	SAFETY FUSE BURN RATE (AT SEA LEVEL) (NOMINAL)		BURNING SPEED TOLERANCE (%)
	ft	m		sec/ft	sec/m	
M 700 (MILITARY)	50	15.2	(10) 50 ft. rolls per can 8 cans in a crate	40	130	10
M 700 (COMMERCIAL PACK)	3280	1000	(1) 3280 ft. roll per box	40	130	10

OPERATION:

The M700 Safety Fuse is delivered in rolls that can be cut to length for integration to fuse detonators. Upon crimping the detonator to the fuse, the initiation device is integrated to complete the delay fuse assembly.

CONSTRUCTION:

The M700 Safety Fuse is a linear product consisting of a black powder core held in place with cotton yarns and over-braided with countered jute yarns. The sub-assembly is jacketed with an asphalt mix and overextruded with plastic. The Military M700 Safety Fuse is qualified to MIL-DTL-45144 for use by United States Military and International Forces.

Attention: The information and recommendations described in this brochure cannot possibly cover every application of the products or variation of conditions under which the products are used. The recommendations herein are based on the manufacturer's experience, research and testing. They are believed to be accurate, but no warranties are made, express or implied. In addition, the specifications contained herein are all nominal which represent our current production. The products described may be subject to change. Please feel free to contact Ensign-Bickford Aerospace & Defense Company for verification. No Warranties or Liabilities: THE PRODUCTS DESCRIBED HEREIN are sold "AS IS" and without any warranty or guaranty, express, or implied, arising by law or otherwise including without limitation any warranty of merchantability or fitness for a particular purpose. Buyer and user agree further to release and discharge seller from any and all liabilities whatsoever arising out of the purchase or use of any product described herein whether or not such liability is occasioned by seller's negligence or based upon strict products liability or upon principles of indemnity or contribution. **Content©2013 Ensign-Bickford Aerospace & Defense Company, Simsbury, CT 06070, U.S.A.**

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