



# PRODUCT INFORMATION

## BROCHURE

**1.4B****1.4S**

## SHOCK★STAR® SIGNAL TRANSMISSION LINES



### Shock★Star Surface Connectors

include Lead-In-Line, Quick★Start and STD (shock tube with detonator).

**Shock★Star Lead-In-Line** is used to allow a completely non-electric blasting system from the Blaster's point of initiation all the way through the blast. Lead-In-Line permits a single splice free signal line between the Blaster and the blast pattern. Polyethylene splicers are included with each case of Lead-In-Line for connecting the shock tube's open end to a non-electric detonator used for starting the blast.

**Shock★Star Quick★Start** is equipped with a Quick Relay Connector detonator for convenient splice-free starting at the first hole in a shock tube blast pattern.

**Shock★Star STDs** are used for starting detonating cord trunklines.

## PRODUCT OVERVIEW

### TECHNICAL DESCRIPTION

Shock tube products for non-electric lead-in from blaster's initiation point to blast site.

### ADVANTAGES

- Constructed from Austin's three layered shock tube using colors with good visibility.
- Initiate consistently and silently at 6,200 ft/s (1,900 m/s)
- Packaged on sturdy spools for durability during shipping and multiple uses.

## STANDARD PACKAGING

Quick Start STD			
Length		Case count	Coil Style
(ft)	(m)		
500	153	8	Spool
1000	305	4	Spool
1500	457	2	Spool

Lead In Line LIL			
Length		Case count	Coil Style
(ft)	(m)		
500	153	8	Spool
1000	305	4	Spool
2500	763	2	Spool

Case Dimensions	19 1/2" x 11 7/8" x 10 1/8"
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\*Other lengths available upon request.

## SHELF LIFE, STORAGE & DISPOSAL

- For optimum accuracy, use within one year from date of manufacture under good storage conditions.
- Store in accordance with all applicable local, state, provincial and federal laws.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Austin Powder Technical Representative for information on safe practices.

## TRANSPORT – UN CLASSIFICATION

Shipping Name: Articles, Explosive, n.o.s. (Lead-In-Line) Detonator Assemblies, Non-Electric (STD)

Class & Division	US DOT Ref. Number	ID Number	Market		Product
1.4 B	EX-2012091493	UN 0349	INTERNATIONAL	DOMESTIC	QUICK START
1.4 B	EX-2001030064A	UN 0349	INTERNATIONAL	DOMESTIC	STD
1.4 S	EX-1994040156	UN 0349	INTERNATIONAL	DOMESTIC	LIL (2500 ft Spool)
1.4 S	EX-2004040259	UN 0349	INTERNATIONAL	DOMESTIC	LIL (200-1000 ft Spool)

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# AUSTIN POWDER

**Our Mission is to improve the world we live in through the safe and responsible use of explosives.**

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