



PRODUCT INFORMATION

BROCHURE

1.4B

COAL★STAR DETONATORS

Coal★Star Detonators are specifically designed to provide the modern underground coal mine with the safest, highest quality detonator in the industry.



BENEFITS

- Minimum 720 mg PETN base charge far exceeds the standard #8 strength detonator.
- Thick copper shell resists dynamic compression.
- Accordion folded 23 AWG iron wire.
- Nine different color coded delays for easy delay identification.

PRODUCT OVERVIEW

PROPERTIES

Coal★Star Delay Sequence & Colors									
Delay #	1	2	3	4	5	6	7	8	9
MS Time	25	100	175	250	300	350	400	450	500
Color	White	Pink	Blue	Orange	Green	Gold	Red	Light Green	Light Blue

Coal★Star Recommended Firing Current				
DC (Amps)	Single Detonator	Single Series	Parallel Series	Parallel
DC (Amps)	0.5	1.5	1.5	1.0-10.0/Detonator
AC (Amps)	0.5	2.0	2.0	1.0-10.0/Detonator

PROPERTIES (CONT)

Electrical Data	
No Fire Current	0.25 amps
All Fire Current	1.00 amps
Series Ignition Current	1.50 amps
No Fire Impulse	2.5 mJ/ohms
All Fire Impulse	5.5 mJ/ohms
Electrostatic Sensitivity	
Double Wire to Shell	10 kV/300 pF/15 mJ
Pin to Pin	10 kV/300 pF/15 mJ

STANDARD PACKAGING DETAILS

Length		Case Weight		Case Count	Total* [Ω]	Wire Configuration
[ft]	[m]	[lb]	[kg]			
16	4.9	6.1	2.8	40	3.75	Short Fold

STANDARD TECHNICAL DESCRIPTION

MSHA approved detonators for underground coal and “gassy” mines.

SHELF LIFE, STORAGE & DISPOSAL

- For optimum accuracy, use within five years 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: Detonators, Electric
 Class & Division: 1.4B
 ID Number: UN 0255

US DOT REFERENCE NUMBER

EX-2010080268

Contact your local Austin Powder representative for further information.

Disclaimer of Warranties and Limitations of Liabilities

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It is solely the responsibility of the product user to determine the safe conditions for use of the products referred to herein. Use of any products by a user is at the user’s sole risk.

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AUSTIN POWDER

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