



ROCKSTAR IV Detonator

High Energy Millisecond Delay Electric Detonator

DESCRIPTION

Electric millisecond detonators **ROCKSTAR IV** are designed to provide the precise control necessary to produce accurate and consistent blasting results in a variety of blasting applications in the mining, quarrying and construction industries.



BENEFITS

- 720 mg PETN base charge far exceeds the standard #8 strength detonator.
- Industries strongest aluminum shell reduces the possibility of water hammer effect.
- Anti-static PVC insulation for added protection from extraneous currents.
- Wide selection of delay intervals provide greater flexibility in blast design.
- Protected primary explosive charge.

PROPERTIES

ROCKSTAR Delay Sequence

Delay #	0	1	2	3	4	5	6	7	8	9	10
MS Nominal Delay	0	25	50	75	100	125	150	175	200	225	250
Delay #	11	12	13	14	15	16	17	18	19	20	21
MS Nominal Delay	275	300	325	350	375	400	425	450	475	500	550
Delay #	22	23	24	25	26	27	28	29	30		
MS Nominal Delay	600	650	700	750	800	850	900	950	1000		

ROCKSTAR IV Resistances (Ω)*

Length (m)	2	2,5	3	3,5	4	5	6	9	12	15	20	25	30
Cu 0,5	0,4	0,5	0,6	0,7	0,8	1,0	1,1	1,7	2,2	2,8	3,7	4,6	5,6
Cu 0,6	0,3	0,4	0,4	0,5	0,6	0,7	0,8	1,2	1,6	2,0	2,6	3,2	3,9
Fe 0,65	1,6	2,0	2,4	2,8	3,2	4,0	4,8	7,2	9,6	12,0	16,0	20,0	24,0

*includes fusehead resistance of 0,04 Ω

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PROPERTIES

ROCKSTAR IV Firing Parameters

	Single Detonator	Single Series	Parallel Series	Parallel
All-Fire Current (DC Amps/4 ms)	30	30	30	30/detonator
All-Fire Impulse (mJ/ Ω /4 ms)	2,5	3,0	3,0	3,0/detonator
No-Fire Current (DC Amps/5 min)	4,0	4,0	4,0	4,0/detonator
No-Fire Impulse (mJ/ Ω /5 min)	1,1	1,1	1,1	1,1/detonator

PACKAGING

Length (m)	Case Weight (kg)*			Case Count**			Wire Configuration
	Cu 0,5	Cu 0,6	Fe 0,65	Cu 0,5	Cu 0,6	Fe 0,65	
2	15	17	18	500	500	500	Fold
2,5	17	19	19	500	500	500	Fold
3	18	21	21	500	500	500	Fold
3,5	20	19	25	500	400	500	Fold
4	18	18	18	400	350	350	Fold
5	16	16	19	300	250	300	Fold
6	15	17	15	250	250	250	Fold
9	13	15	16	150	150	150	Fold
12	16/8	19/10	20/10	150/60	150/60	150/60	Fold/Spooled
15	13/10	16/11	16/11	100/60	100/60	100/60	Fold/Spooled
20	13/12	16/14	16/14	75/60	75/60	75/60	Fold/Spooled
25	13/14	15/16	16/17	60/60	60/60	60/60	Fold/Spooled
30	15/16	18/19	18/19	60/60	60/60	60/60	Fold/Spooled

*Case weight based on average values **For quantities of inner boxes divide case count by 5

STORAGE

Store in accordance with all applicable local, state, provincial and federal laws in temperatures between 0 and +40 °C.

SHELF LIFE

For optimum accuracy use within 2 years from date of manufacture under good storage conditions.

UN CLASSIFICATION

Shipping Name: Detonators, Electric for Blasting
Class & Division: 1.4B (1.4S at request)
UN Number: 0255 (UN 0456)
CE Type: 0-HU, DEM-HU
Alternative Name: 0-V, DEM-V



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