

# SMAW - Shielded-Metal Arc Welding

Our high-quality products enable us to stake our claim as a market leader that delivers premium-grade electrodes. During welding and radiographic tests, the superior performance of Blueshield electrodes is outstanding and sets the benchmark in the Canadian industry.



## Blueshield Low-Hydrogen Electrodes

NAME	AWS CLASS	CSA/CWB CLASS	POSITION	TYPE	APPLICATION	DIAMETER		PACKAGING		ITEM NUMBER
						mm	in	kg	lb	
LA EXCELARC 18	E7018	E4918-H8	All	Basic AC/DC+	Extremely user-friendly general-purpose AC/DC low-hydrogen electrode. Can be used with low OCV AC welders.	2.5	3/32	4 x 2.5	4 x 5.5	BLU-32972306
						3.2 4.0	1/8 5/32	4 x 5	4 x 11	BLU-32972308 BLU-32972310
LA 7018	E7018-1	E4918-1-H4	All	Basic DC+/AC	LA 7018 is an industry standard Code quality 7018-1 with impact values down to -46°C (-50°F). Structural steels, boilers and pressure vessels.	2.5	3/32	4 x 2.5	4 x 5.5	BLU-32971706
						3.2	1/8	4 x 5	4 x 11	BLU-32971708
						4.0	5/32			BLU-32971710
						4.0	5/32			BLU-32971711*
						5.0	3/16			BLU-32971712
6.0	1/4	BLU-32971716								
LA 18 LMP	E7018-1	E4918-1-H4	All	Basic DC+/AC Low moisture pickup	Low-moisture pick-up (LMP) version of LA 7018. Application with stringent control of the weld hydrogen level.	2.5	3/32	4 x 2.5	4 x 5.5	BLU-32972706
						3.2	1/8	4 x 5	4 x 11	BLU-32972708
						4.0	5/32			BLU-32972710
						5.0	3/16			BLU-32972712
LA 18 PLUS	E7018-1	E4918-1-H4	All	Basic DC+/AC	Includes the benefits of LA 7018 with improved mechanical properties for demanding low temperature applications.	2.5	3/32	4 x 2.5	4 x 5.5	BLU-32972106
						3.2	1/8	4 x 5	4 x 11	BLU-32972108
						4.0	5/32			BLU-32972110
						5.0	3/16			BLU-32972112
						6.0	1/4			BLU-32972116
LA 18 PLUS LMP	E7018-1	E4918-1-H4	All	Basic DC+/AC Low moisture pickup	Premium-code quality E7018-1 for difficult-to-weld steels for offshore fabrication, boilers and pressure vessels.	2.5	3/32	4 x 2.5	4 x 5.5	BLU-32972906
						3.2	1/8	4 x 5	4 x 11	BLU-32972908
						4.0 5.0	5/32 3/16			BLU-32972910 BLU-32972912
NUCLEAR LA 7018	E7018-1	E4918-1-H4	All	Basic DC+/AC	Certified for welding nuclear power plant. ASME Section III Nuclear power plant component.	2.5	3/32	4 x 2.5	4 x 5.5	BLU-32979006
						3.2	1/8	4 x 5	4 x 11	BLU-32979008
						4.0	5/32			BLU-32979010
						5.0	3/16			BLU-32979012
LA 7028	E7028	E4928	Flat/ Horizontal	Basic DC+/AC	High-deposition and high-speed, low-hydrogen electrodes with good mechanical values.	3.2	1/8	4 x 5	4 x 11	BLU-32972808 BLU-32972810
						4.0	5/32			
						5.0	3/16	4 x 4.5	4 x 10	BLU-32972812
LA 7018 RCR	E7018-G	E4918-G	All	Basic DC+/AC	Unique corrosion resistant E7018 type electrode. Designed for repair and fabrication of ocean vessels, pulp and paper corrosion repair, and overlay on batch digesters.	3.2 4.0	1/8 5/32	4 x 5	11	BLU-32971408 BLU-32971410

Low-hydrogen electrode length: 2.5 mm = 300 mm (12")  
 3.2 mm, 4.0 mm = 350 mm (14")  
 5.0 mm, 6.0 mm = 450 mm (18")

\*Electrode length = 450 mm (18")

NOTE: Blueshield electrodes may meet code requirements other than those listed. / Please consult a representative for a complete listing of the code requirements for our electrodes.