



## 1500V HelioFuse

Amphenol Industrial Products Group (AIPG) offers products and solutions for all segments of the solar electric system. AIPG understands the need for efficient (low loss) power transfer, highly reliable, and cost effective solutions that are required to be competitive in this industry.

AIPG's molded in-line fuse, 1500V HelioFuse, provides a quick replaceable solution for installing in-line solar fuses. The molded construction provides a weather tight housing preventing moisture from getting to the fuse construction. The in-line fuse provides the needed electrical protection to prevent damage to the solar array should a ground fault occur. The connectorized inline fuse allows for rapid removal and replacement upon correction of a ground fault.

The 1500V HelioFuse is offered in three configurations: A connector version which plugs into an industry standard solar connectors (ex. Helios H4 Connector), a blunt cut cable option for configuration in the field, or as a component integrated into a custom solar cable assembly.

Amphenol Industrial Products Group maintains the highest standards for excellence. The 1500V HelioFuse is just one of the cost effective solar solutions Amphenol Industrial Products Group has to offer.

### Features:

- 2.5 to 15 A current rating
- 1500 VDC rating
- 10 AWG and 12 AWG cable options
- IP68 Ingress Protection
- Long term UV and Ozone resistance
- Rugged, low cost solution
- Ready for field Assembly
- UL 94 V-0 flammability rating
- ROHS Compliant
- UL4248-1;UL4248-18 Recognized
- UL9703 Listed

### Assembly Instructions:

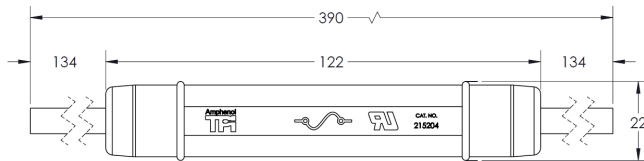
- Always follow the manufacturer's recommended installation instructions for the connectors used in the assemblies that are specified by the system designer.
  - If Amphenol H4 has been specified, please find the Amphenol H4 Assembly Instructions here:  
[www.amphenol-industrial.com/index.php/literature/catalogs](http://www.amphenol-industrial.com/index.php/literature/catalogs)
- Always follow PPE protocol when handling these assemblies under source load. Please ensure necessary PPE actions are employed before handling any of the components used in these assemblies (including but not limited to overmolds, connectors, wire) while under source load.

# 1500V HelioFuse

SPECIFICATIONS	
Rated Voltage Fuse	1500V
Rated Current Fuse	2.5A, 3.5A, 4A, 6A, 8A, 10A, 12A, 15A
Connector Options	UL Listed Connectors: H4, MC4, EVO2 (1500V RATED)
Cable Size Options	12AWG/4.0mm <sup>2</sup> or 10AWG/6.0mm <sup>2</sup> 2kV PV Wire
Ingress Protection Degree	IP 68 (1 Meter, 1 Hour)
Ambient Temperature Range	-40°C to +65°C
Material Safety	RoHS2 Compliant
Flammability Classifications	UL94 V0
Outdoor Suitability	UV Resistance, F1 Rated
Approvals	UL4248-1;UL4248-18 Recognized (File#: E352863) UL9703 Listed (File#: E498904)

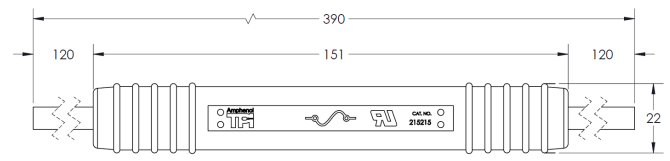


## 1500V 2.5A - 4A FUSE

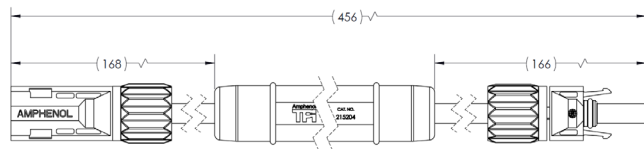


**1500V FUSE / 4A / 12AWG / BLUNT CUT  
END TO END CABLE LENGTH 390MM  
(PART NUMBER: 242100)**

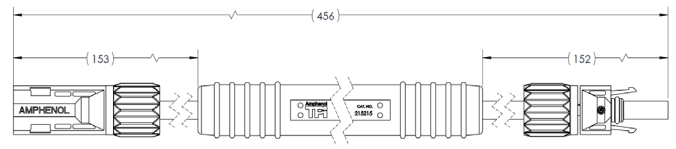
## 1500V 6A - 15A FUSE



**1500V FUSE / 15A / 10AWG / BLUNT CUT  
END TO END CABLE LENGTH 390MM  
(PART NUMBER: 247000)**



**1500V FUSE / 4A / 10AWG / H4 M-F  
END TO END CABLE LENGTH 390MM  
(456MM REF OVERALL W/CONNECTORS)  
(PART NUMBER: 2420020)**



**1500V FUSE / 15A / 10AWG / H4 M-F  
END TO END CABLE LENGTH 390MM  
(456MM REF OVERALL W/ CONNECTORS)  
(PART NUMBER: 2470020)**

## PART NUMBER SYSTEM

1		2		3		4		5		6
PRODUCT TYPE		RATED CURRENT		PV WIRE SIZE		END TERMINATION / CONNECTORS		END-TO-END CABLE LENGTH		CUSTOM LENGTH
24	1500V HelioFuse	0	2.5A	0	10AWG	00	BLUNT CUT BOTH ENDS	0	STANDARD (390 MM)	
		1	3.5A	1	12AWG	01	BOTH END PRE-STRIPPED (8MM, SLUGS ON)	1	CUSTOM	- X (MM)
		2	4A			02	AMPHENOL H4 MALE TO H4 FEMALE (M-F)			
		3	6A			03	MULTI CONTACT MC4 MALE TO FEMALE (M-F)			
		4	8A			04	MULTI CONTACT EVO2 MALE TO FEMALE (M-F)			
		5	10A			05	AMPHENOL H4 MALE TO MULTI CONTACT MC4 FEMALE (M-F)			
		6	12A			06	AMPHENOL H4 MALE TO MULTI CONTACT EVO2 FEMALE (M-F)			
		7	15A			07	MULTI CONTACT MC4 MALE TO AMPHENOL H4 FEMALE (M-F)			
						08	MULTI CONTACT EVO2 MALE TO AMPHENOL H4 FEMALE (M-F)			
						09	MULTI CONTACT MC4 MALE TO MULTI CONTACT EVO2 FEMALE (M-F)			
						10	MULTI CONTACT EVO2 MALE TO MULTI CONTACT MC4 FEMALE (M-F)			
				11	OTHER					

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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