



The Safety Company

1000 Cranberry Woods Drive,  
Cranberry Township, PA 16066

**MSA Declaration of Conformity**

In Accordance with ANSI/ASSP Z359.7-2019  
IAC-20-020 - Z04 Rev 1

**Statement of Conformity:** MSA declares that the  
2.7m V-TEC EDGE Cable PFL  
is in conformity with the requirements of  
ANSI/ASSP Z359.14-2021

Product Code	Model / Part Numbers Covered
IAC-20-020	63072-00X (single leg) and 63172-00X (twin leg) where X represents an interchangeable ANSI Z359.12 certified connector.

ANSI/ISEA 125-2014 conformity assessment method:  Level 1  Level 2

For Level 2, information about ISO 17025-accredited facility in which the product was tested:

The test facility is an independent 3rd Party ISO 17025-accredited facility  
ISO Accrediting Agency:

The test facility is owned or partially owned by an entity within supplier's corporate structure, or  
within the manufacturing stream for this product, including subcontractors and sub-suppliers.  
ISO Accrediting Agency: ANAB ANSI National Accreditation Board

Report	Test Facility Used:	Test Facility Document #
1	FPLab	2022052320220627 2.7m PFL
2	SATRA	SPC0318332/2133/14

For additional information about this product(s), please contact MSA Customer Service at 1-800-MSA-2222. When requesting information, please reference model number(s).

Brooke Conroy

Brooke Conroy (Nov 8, 2022 13:16 EST)

QA Rep: Brooke Conroy

Nov 8, 2022

Date: MM/DD/YYYY

Owain Jones

Owain Jones (Nov 8, 2022 14:51 GMT)

Qualified Person: Owain Jones

Nov 8, 2022

Date: MM/DD/YYYY

## Performance Details

Revision 1

Report	Standard and Product Requirements	Acceptance Criteria	Pass / Fail
1	3.3.3.2 Perpendicular Leading Edge Dynamic Performance of SRL-Ps - Ambient Conditioning (Clause 4.3.3)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Perpendicular Leading Edge Dynamic Performance of SRL-Ps - Hot Conditioning (Clause 4.3.3.8)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Perpendicular Leading Edge Dynamic Performance of SRL-Ps - Cold Conditioning (Clause 4.3.3.9)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Perpendicular Leading Edge Dynamic Performance of SRL-Ps - Wet Conditioning (Clause 4.3.3.10)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Offset Leading Edge Dynamic Performance of SRL-Ps - Ambient Conditioning (Clause 4.3.3)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Offset Leading Edge Dynamic Performance of SRL-Ps - Hot Conditioning (Clause 4.3.3.8)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Offset Leading Edge Dynamic Performance of SRL-Ps - Cold Conditioning (Clause 4.3.3.9)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
1	3.3.3.3 Offset Leading Edge Dynamic Performance of SRL-Ps - Wet Conditioning (Clause 4.3.3.10)	Maximum Arrest Force <1800lbs (8kN). Average Arrest Force <1350lbs (6kN). Visual Indicator shall activate	Pass
2	3.1.1 Integral Connectors	Connectors shall meet ANSI Z359.12 Minimize possibility of rollout	Pass
2	3.1.2 Locking Function	SRL shall automatically lock Lock cannot be overridden Design shall minimize impact from casual interference	Pass
2	3.1.3 Energy Absorption	Energy absorption functions throughout usable working range	Pass
2	3.1.4 Visual Indicator	Visual Indicator activates per Section 3.3	Pass
2	3.1.5 Corrosion Protection (Clause 7.4)	Protected from corrosion to allow device to operate as intended. Line shall pay out, retract, and lock	Pass
2	3.1.6.1 Webbing and Synthetic Rope	Webbing and synthetic rope shall be made of pure materials. Webbing breaking strength shall be greater than 4500lbs (20kN) for Class 1 and 5000lbs (22.2kN) for Class 2	Not Assessed
2	3.1.6.2 Wire Rope	Wire rope shall be constructed of stainless steel or galvanized steel	Pass
2	3.1.6.3 Terminations	Terminations shall meet requirements of 3.2.1	Pass

2	3.1.7 Class 2 Energy Absorber	Energy absorber shall meet ANSI Z359.13 or pass all class 2 requirements with the energy absorber installed	Not Assessed
2	3.2.1 Static Strength of Self-Retracting Devices (SRDs) (Clause 4.2.1)	Static load of 3600lbs (16kN)	Pass
2	3.2.2 Static Strength of Self-Retracting Lanyard, Personal Connector (Clause 4.2.2)	Static load of 3600lbs (16kN) OR connector is qualified to ANSI Z359.12.	Pass
2	3.2.3 Locking Strength (Clause 4.2.3)	Withstand static load of 1800lbs (8kN)	Pass
2	3.3.1 Dynamic Performance of SRDs - Class 1 (Clause 4.3.1)	Arrest forces shall be less than the values specified in Section 3.3 for each condition. After dynamic test, locking function shall operate, line shall pay out and retract, and visual indicator shall activate.	Pass
2	3.3.2 Additional Dynamic Performance of SRL-Ps - Class 1 (Clause 4.3.2)	Arrest forces shall be less than the values specified in Section 3.3. After dynamic test, locking function shall operate, line shall pay out and retract, and visual indicator shall activate.	Pass
2	3.5 Retraction Tension (Clause 4.5.1 & 4.5.2)	Retraction tension shall be between 1.25lbs (5.55N) and 25lbs (111.1N)	Pass
2	3.6.1 Static Test, for Dual SRL-Ps (Clause 4.6.1)	Class 1 & 2 devices shall withstand, without breaking, a static load of 3600lbs (16kN)	Pass
2	3.6.2 SRL-P Dual Connection (Clause 4.6.2)	If maximum arrest force exceeds 1800lbs (8kN), markings and instructions must include warnings in accordance with 5.1.9 and 5.2.10.	Pass
2	3.6.3 Wrap-Around Strength, for SRL-Ps (Clause 4.6.3)	SRL-Ps featuring tie-back functionality shall withstand a static load of 3600lbs (16kN)	Pass

Revision
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Date
9/27/2022
11/7/2022

Project Engineer
Nathan Wright
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Qualified Person
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