Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014 and ANSI/ASSP Z359.7-2019

Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221 (800) 719-4619

Declaration #	D1218072a	**Declaration Date**	12/18/2023

Tested Item #	**84008SPD1/ 84008TPD1**	**8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg & Twin-leg with Dielectric Snap Hook**

Additional Items Conforming Under this Declaration:

84008RP0	**84008RP3S**	**84008RPD1**	**84008SP2**	**84008SP8S**	**84008TP2**	**84008TPD1**
84008RP1	**84008RP8**	**84008SP0**	**84008SP3S**	**84008TP0**	**84008TP3S**	**84008RP0S**
84008RP2	**84008RP8S**	**84008SP1**	**84008SP8**	**84008TP1**	**84008TP8**	**84008SP0S**
84008TP0S						

Alexander Andrew, Inc. declares that the product(s) listed above is in conformity with the requirements of the following product standard(s):

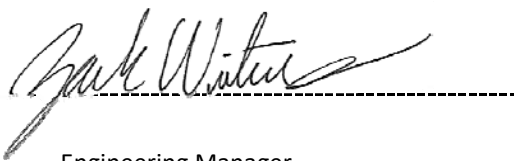
ANSI Z359.14-2021 & ASTM F887-20

Conformity Assessment Method in accordance with ANSI/ISEA 125-2014

Level 1		**Level 2**	**X**	**Level 3**	

Level 1: FallTech Lab Outside the Scope of ISO/IEC Standard 17025:2005	**Level 2**: FallTech Lab Within the Scope of ISO/IEC Standard 17025:2005	**Level 3**: Independent 3rd Party Lab accredited to ISO/IEC Standard 17025:2005

Supporting Documentation	**PC-2976**	**K-581029-2310H02-R00**

Authorized Signature 

Name Zachary Winters **Title** Engineering Manager **Date** 2/23/2024

IAS ACCREDITED Testing Laboratory

International Accreditation Service, Inc
3060 Saturn St, Ste 100
Brea, CA 92821 +1 562-364-8201

FallTech Lab - TL-594
ISO/IEC 17025:2017
Alexander Andrew Inc dba FallTech

FallTech Testing Laboratory
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FallTech Test Report

Test Report No.	PC-2976	**Rpt. Date**	12/15/2023	**Rpt. Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2.1, 4.2.2, 4.2.3, 4.3.2, 4.3.3, 4.5.1, 4.5.2, 4.3.1, 4.6.1, 4.6.2			
Part No.	84008SPD1 / 84008TPD1			**Part No. Revision**	A		
Part Description	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg and Twin-leg						
Test Request No.	PC-2976			**Date Complete**	12/13/2023		
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
7421633	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
SST2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
SST3*	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
SD1	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
SD2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
SD3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421631	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
LS2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
LS3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421634	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
P2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
P3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
D1	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
D2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
D3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421631	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
DPT2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
DPT3*	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421633	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
H2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
H3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421629	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
C2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
C3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421632	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
W2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
W3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421638	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
PA2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
PA3*	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421639	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
PH2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
PH3*	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg

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Part No.	84008SPD1 / 84008TPD1			**Part No. Revision**	A		
Part Description	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg and Twin-leg						
Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Material/Sample Identification Continued

Sample ID	Description
7421637	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
PC2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
PC3*	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421630	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
PW2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
PW3*	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421641	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
LA2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
LA3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421635	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
LH2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
LH3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421642	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
LC2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
LC3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421636	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
LW2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
LW3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421631	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
RT2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
RT3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
7421631	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg
HR2	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg
HR3	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Twin-leg

Test Summary

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.2.1	Static Strength	≥ 3600 Lbf for ≥ 60 Seconds	3631.9 Lbf	Pass
ANSI Z359.14-2021 4.2.1	Static Strength	≥ 3600 Lbf for ≥ 60 Seconds	3636.9 Lbf	Pass
ANSI Z359.14-2021 4.2.1	Static Strength	≥ 3600 Lbf for ≥ 60 Seconds	3629.0 Lbf	Pass

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Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2.1, 4.2.2, 4.2.3, 4.3.2, 4.3.3, 4.5.1, 4.5.2, 4.3.1, 4.6.1, 4.6.2			
Part No.	84008SPD1 / 84008TPD1			**Part No. Revision**	A		
Part Description	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg and Twin-leg						
Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.6.1	Static Strength, Dual Configuration	≥ 3600 Lbf for ≥ 60 Seconds	3632.5 Lbf	Pass
ANSI Z359.14-2021 4.6.1	Static Strength, Dual Configuration	≥ 3600 Lbf for ≥ 60 Seconds	3632.5 Lbf	Pass
ANSI Z359.14-2021 4.6.1	Static Strength, Dual Configuration	≥ 3600 Lbf for ≥ 60 Seconds	3625.3 Lbf	Pass
ANSI Z359.14-2021 4.2.3	Locking Strength	≥ 1800 Lbf for ≥ 60 Seconds	1850.8 Lbf	Pass
ANSI Z359.14-2021 4.2.3	Locking Strength	≥ 1800 Lbf for ≥ 60 Seconds	1829.8 Lbf	Pass
ANSI Z359.14-2021 4.2.3	Locking Strength	≥ 1800 Lbf for ≥ 60 Seconds	1822.4 Lbf	Pass
ANSI Z359.14-2021 4.3.2	Max Arrest 72" Freefall	≤ 1800 Lbf	1138.0 Lbf	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.2	Max Arrest 72" Freefall	≤ 1800 Lbf	1106.8 Lbf	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.2	Max Arrest 72" Freefall	≤ 1800 Lbf	1237.2 Lbf	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.6.2	Max Arrest Dual Configuration	≤ 1800 Lbf	1541.2 Lbf	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.6.2	Max Arrest Dual Configuration	≤ 1800 Lbf	1404.2 Lbf	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.6.2	Max Arrest Dual Configuration	≤ 1800 Lbf	1406.6 Lbf	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass

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Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.1 DPT Ambient	Max Arrest Force	≤ 1800 Lbf	1130.1 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	786.0 Lbf	Pass
	Arrest Distance	≤ 42"	30.8"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1 DPT Ambient	Max Arrest Force	≤ 1800 Lbf	1259.3 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	899.7 Lbf	Pass
	Arrest Distance	≤ 42"	27.3"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1 DPT Ambient	Max Arrest Force	≤ 1800 Lbf	1123.6 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	767.5 Lbf	Pass
	Arrest Distance	≤ 42"	32.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.7 DPT Hot	Max Arrest Force	≤ 1800 Lbf	968.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	665.4 Lbf	Pass
	Arrest Distance	≤ 42"	29.2"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.7 DPT Hot	Max Arrest Force	≤ 1800 Lbf	1004.0 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	696.5 Lbf	Pass
	Arrest Distance	≤ 42"	31.0"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.7 DPT Hot	Max Arrest Force	≤ 1800 Lbf	1226.7 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	711.4 Lbf	Pass
	Arrest Distance	≤ 42"	30.5"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass

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Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.1.8 DPT Cold	Max Arrest Force	≤ 1800 Lbf	1194.7 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	790.1 Lbf	Pass
	Arrest Distance	≤ 42"	22.7"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.8 DPT Cold	Max Arrest Force	≤ 1800 Lbf	1241.3 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	905.7 Lbf	Pass
	Arrest Distance	≤ 42"	30.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.8 DPT Cold	Max Arrest Force	≤ 1800 Lbf	1070.6 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	855.4 Lbf	Pass
	Arrest Distance	≤ 42"	32.2"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.9 DPT Wet	Max Arrest Force	≤ 1800 Lbf	1047.1 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	772.2 Lbf	Pass
	Arrest Distance	≤ 42"	26.1"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.9 DPT Wet	Max Arrest Force	≤ 1800 Lbf	941.3 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	704.9 Lbf	Pass
	Arrest Distance	≤ 42"	23.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
ANSI Z359.14-2021 4.3.1.9 DPT Wet	Max Arrest Force	≤ 1800 Lbf	995.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	717.7 Lbf	Pass
	Arrest Distance	≤ 42"	35.4"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass

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Part Description	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg and Twin-leg						
Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.3 (Perpendicular)	Max Arrest Force	≤ 1800 Lbf	1059.2 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	801.9 Lbf	Pass
	Arrest Distance	Not Applicable	110.8"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1481.3 Lbf	Pass
ANSI Z359.14-2021 4.3.3 (Perpendicular)	Max Arrest Force	≤ 1800 Lbf	1122.6 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	830.4 Lbf	Pass
	Arrest Distance	Not Applicable	115.5"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1036.6 Lbf	Pass
ANSI Z359.14-2021 4.3.3 (Perpendicular)	Max Arrest Force	≤ 1800 Lbf	1168.4 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	789.9 Lbf	Pass
	Arrest Distance	Not Applicable	117.5"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1050.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3.8 (Perpendicular, Hot)	Max Arrest Force	≤ 1800 Lbf	999.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	742.8 Lbf	Pass
	Arrest Distance	Not Applicable	118.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1023.3 Lbf	Pass
ANSI Z359.14-2021 4.3.3.8 (Perpendicular, Hot)	Max Arrest Force	≤ 1800 Lbf	1064.1 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	773.9 Lbf	Pass
	Arrest Distance	Not Applicable	121.9"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1025.1 Lbf	Pass
ANSI Z359.14-2021 4.3.3.8 (Perpendicular, Hot)	Max Arrest Force	≤ 1800 Lbf	1150.2 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	723.4 Lbf	Pass
	Arrest Distance	Not Applicable	112.8"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1026.7 Lbf	Pass

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Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.3.9 (Perpendicular, Cold)	Max Arrest Force	≤ 1800 Lbf	1155.5 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	811.5 Lbf	Pass
	Arrest Distance	Not Applicable	108.8"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1024.5 Lbf	Pass
ANSI Z359.14-2021 4.3.3.9 (Perpendicular, Cold)	Max Arrest Force	≤ 1800 Lbf	1064.5 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	821.6 Lbf	Pass
	Arrest Distance	Not Applicable	110.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1068.5 Lbf	Pass
ANSI Z359.14-2021 4.3.3.9 (Perpendicular, Cold)	Max Arrest Force	≤ 1800 Lbf	1618.2 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	830.4 Lbf	Pass
	Arrest Distance	Not Applicable	111.4"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1052.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3.10 (Perpendicular, Wet)	Max Arrest Force	≤ 1800 Lbf	1081.8 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	746.8 Lbf	Pass
	Arrest Distance	Not Applicable	114.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1022.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3.10 (Perpendicular, Wet)	Max Arrest Force	≤ 1800 Lbf	1049.2 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	761.4 Lbf	Pass
	Arrest Distance	Not Applicable	121.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1023.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3.10 (Perpendicular, Wet)	Max Arrest Force	≤ 1800 Lbf	1100.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	774.0 Lbf	Pass
	Arrest Distance	Not Applicable	110.7"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1024.8 Lbf	Pass

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Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.3 (Lateral Offset)	Max Arrest Force	≤ 1800 Lbf	1039.0 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	751.0 Lbf	Pass
	Arrest Distance	Not Applicable	128.8"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1135.2 Lbf	Pass
ANSI Z359.14-2021 4.3.3 (Lateral Offset)	Max Arrest Force	≤ 1800 Lbf	1010.4 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	735.3 Lbf	Pass
	Arrest Distance	Not Applicable	133.3"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1065.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3 (Lateral Offset)	Max Arrest Force	≤ 1800 Lbf	1018.0 Lbf	Pass
	Avg Arrest Force	≤ 1350 Lbf	742.0 Lbf	Pass
	Arrest Distance	Not Applicable	134.2"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	141.5 Lbf	Pass
ANSI Z359.14-2021 4.3.3.8 (Lateral Offset, Hot)	Max Arrest Force	≤ 1800 Lbf	921.7 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	732.1 Lbf	Pass
	Arrest Distance	Not Applicable	138.0"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1019.2 Lbf	Pass
ANSI Z359.14-2021 4.3.3.8 (Lateral Offset, Hot)	Max Arrest Force	≤ 1800 Lbf	1003.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	760.3 Lbf	Pass
	Arrest Distance	Not Applicable	136.4"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1058.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3.8 (Lateral Offset, Hot)	Max Arrest Force	≤ 1800 Lbf	1000.5 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	718.6 Lbf	Pass
	Arrest Distance	Not Applicable	144.2"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1011.1 Lbf	Pass

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FallTech Test Report

Test Report No.	PC-2976	**Rpt. Date**	12/15/2023	**Rpt. Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2.1, 4.2.2, 4.2.3, 4.3.2, 4.3.3, 4.5.1, 4.5.2, 4.3.1, 4.6.1, 4.6.2			
Part No.	84008SPD1 / 84008TPD1			**Part No. Revision**	A		
Part Description	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg and Twin-leg						
Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.3.3.9 (Lateral Offset, Cold)	Max Arrest Force	≤ 1800 Lbf	1279.5 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	771.8 Lbf	Pass
	Arrest Distance	Not Applicable	123.8"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1134.6 Lbf	Pass
ANSI Z359.14-2021 4.3.3.9 (Lateral Offset, Cold)	Max Arrest Force	≤ 1800 Lbf	1140.5 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	774.4 Lbf	Pass
	Arrest Distance	Not Applicable	128.2"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1024.3 Lbf	Pass
ANSI Z359.14-2021 4.3.3.9 (Lateral Offset, Cold)	Max Arrest Force	≤ 1800 Lbf	1150.3 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	757.0 Lbf	Pass
	Arrest Distance	Not Applicable	130.1"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1033.0 Lbf	Pass
ANSI Z359.14-2021 4.3.3.10 (Lateral Offset, Wet)	Max Arrest Force	≤ 1800 Lbf	1089.3 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	731.5 Lbf	Pass
	Arrest Distance	Not Applicable	134.9"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1023.3 Lbf	Pass
ANSI Z359.14-2021 4.3.3.10 (Lateral Offset, Wet)	Max Arrest Force	≤ 1800 Lbf	1043.4 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	769.4 Lbf	Pass
	Arrest Distance	Not Applicable	139.0"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1033.7 Lbf	Pass
ANSI Z359.14-2021 4.3.3.10 (Lateral Offset, Wet)	Max Arrest Force	≤ 1800 Lbf	1066.9 Lbf	Pass
	Avg Arrest Force	≤ 1575 Lbf	730.5 Lbf	Pass
	Arrest Distance	Not Applicable	135.6"	Pass
	Visual Indicator	Evidence of Impact	Clear Evidence	Pass
	Line Strength	> 1000 Lbf	1025.2 Lbf	Pass

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FallTech Test Report

Test Report No.	PC-2976	**Rpt. Date**	12/15/2023	**Rpt. Rev**		**Rev Date**	
Report Prepared For	FallTech						
Initiated By	Zachary Winters	**Test Specification(s)**		ANSI Z359.14-2021: 4.2.1, 4.2.2, 4.2.3, 4.3.2, 4.3.3, 4.5.1, 4.5.2, 4.3.1, 4.6.1, 4.6.2			
Part No.	84008SPD1 / 84008TPD1			**Part No. Revision**	A		
Part Description	8' EdgeCore Arc Flash FT-X Class 2 LE SRL, Single-leg and Twin-leg						
Test Request No.	PC-2976			**Date Complete**	12/13/2023		

Test Summary (continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2021 4.5.1	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	1.9 Lbf	Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	3.3 Lbf	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	5.8 Lbf	Pass
ANSI Z359.14-2021 4.5.1	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	1.9 Lbf	Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	2.7 Lbf	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	6.1 Lbf	Pass
ANSI Z359.14-2021 4.5.1	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	2.1 Lbf	Pass
	Retraction Tension 50% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	3.9 Lbf	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 48" Extended	4.9 Lbf	Pass
ANSI Z359.14-2021 4.5.2	Horizontal Retraction	Retract Without Stopping	No Hesitation in Retraction	Pass
ANSI Z359.14-2021 4.5.2	Horizontal Retraction	Retract Without Stopping	No Hesitation in Retraction	Pass
ANSI Z359.14-2021 4.5.2	Horizontal Retraction	Retract Without Stopping	No Hesitation in Retraction	Pass

Conclusion

Based upon the samples provided to the Lab:
FallTech P/N 84008SPD1 Rev. A & 84008TPD1 Rev. A meet the requirements of ANSI Z359.14-2021
& ASTM F887-20*

Report Signatories and Approval

Lab Quality Manager	Jay Sponholz	Date	12/15/2023

ArcWear
A KINECTRICS COMPANY

KINECTRICS

EXPOSURE TO AN ELECTRIC ARC

Requesting Agency:
FallTech
1306 S Alameda St
Compton, CA 90221

Test Standard:
ELECTRIC ARC TESTS: ASTM F887-20
OBSERVATION OF PERSONAL CLIMBING EQUIPMENT EXPOSED TO AN ELECTRIC ARC

Test Report:
K-581029-2310H02-R00

Test Specimen:
FallTech, SRL-P, Style 84008TPD1, Webbing: Kevlar/Nomex Black/Yellow

Result:
Based on the observations, the SRL style 84008TPD1 meets the requirements of Table 1-1 following the arc exposure. The samples were returned to the Agency for examination and additional drop test.

Sample Received	Test Date	Report Date
October 18, 2023	October 25, 2023	December 4, 2023

Prepared by

MAURICE Claude
2023.12.04
20:20:15 -05'00'

Claude Maurice
Technical Specialist, HCL
TD Technologies, Kinectrics

Approved by

SHIELS Brian
Digitally signed by SHIELS Brian
Date: 2023.12.15 11:39:09 -05'00'

Brian Shiels
Service Line Manager
Arcwear, Kinectrics AES

Figure 3.1: Sample as Received (face and back side)

4 Test Results:

Two mannequin torsos were placed at 120° in the arc test cage at a distance of 305 mm (12 in) from the electrodes. The samples were placed on each of the two mannequins as shown in Figure 6.1.

If the conditions and evaluation of the samples meet the criteria in Table 1-1, the product has passed the electrical arc exposure and is candidate for the mechanical drop test to fully meet the arc performance requirements of ASTM F887-20. Photographs of the samples before and after the arc exposure are shown in Section 6.

The results of the arc exposures are given in Table 4-1.

Table 4-1: Summary of Test Results

	Trial # 23-3406		Trial # 23-3407	
Mannequin	**A**	**B**	**A**	**B**
Serial number	na	na	na	na
Orientation	Webbing x 3	SRL body & pouch X2	SRL body & pouch	SRL body & pouch
Incident Energy	42 Cal/cm²	38 Cal/cm²	39 Cal/cm²	45 Cal/cm²
After-flame	0 s	0 s	0 s	0 s
Ignition	N	N	N	N
Melting and Dripping	N	N	N	N
Acceptance Criteria	Meets	Meets	Meets	Meets

4.1 Observations:

Charring of the webbing, SRL housing and pouch was observed on all samples. No ignition and no melting and dripping and no afterflame was observed.

5 Interpretation of Results:

This testing does not assign an arc rating to this product. The purpose of this test was to observe the response characteristics of this product when exposed to an open-air electric arc.

All samples tested meet the requirement of Table 1-1 as per ASTM F887-20. Additional mechanical tests may be performed on the webbing and SRL by the manufacturer.

The samples were returned to the producer for inspection.

Revision History

Rev	Description		
00	Initial report creation		
	Issue Date December 4, 2023	Prepared by Claude Maurice	Approved by Brian Shiels
Rev	Description		
	Issue Date	Prepared by	Approved by

For questions about this test report, please contact Contact.ArcWear@Kinectrics.com

DISCLAIMER

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QUALITY MANAGEMENT

The arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada (SCC) to conform to the requirements of CAN-P-4E (ISO/IEC 17025:2017). Accreditation by the Standards Council of Canada (SCC) is a mark of competence and reliability

- The test performed does not apply to electrical contact or electrical shock hazard.
- The test result is applicable only to the Test Specimens delivered to Kinectrics, other material, design or color may have a different response.
- It is the clients' responsibility to provide full and accurate information about the items supplied.
- No test is done to validate the fiber content or composition of the test item.
- Photographs of the test specimens and waveforms of the arc current, voltage and calorimeters with the circuit and arc exposure calibration records are available from Kinectrics and provided to the client separately from this report.

1 Test Standard:

Electrical arc test according to ASTM F887-20, Section 22
Standard Specifications for Personal Climbing Equipment, After Exposure to an Electric Arc Evaluation. Specimens are mounted on mannequins having a distance of 30.5 cm (12 inches) from the chest to the centerline of the electrodes. The test standard requires that the finished personal climbing equipment be exposed to a level of 40 cal/cm² ± 5 cal/cm².

1.1 Test Requirements

Harnesses- The test program requires the specimens be placed on mannequins as normally worn. Sufficient quantities shall be exposed on the front and on the back to meet the drop test requirements of Table 5 of the Standard.

Harness with dorsal attachment only: 4 frontal arc exposure, 4 rear arc exposure.
Harness with front and dorsal attachment: 6 frontal arc exposure, 6 rear arc exposure.

Harness accessories, loops etc. - Three specimens of each accessory or loop are required to be exposed to the arc.

Energy Absorbing Lanyard - Three specimens of each lanyard are required to be exposed to the arc.

SRL & SRD- Self-retracting devices (SRDs) are not included in the scope of arc exposure test in ASTM F887-20, Section 22. Their test method, number of samples required, and subsequent drop test and criteria has not been established by ASTM. Until the standard is revised, the arc exposure test is based on the requirements for Energy Absorbing Lanyards (non-retracting). The drop test to verify mechanical integrity following the arc exposure will be arranged by the producer based on the applicable drop method followed for such devices.

Other effects as a result for an arc fault such as the noise, light emissions, pressure rise, hot oil, electric shock, the consequences of physical and mental shock or toxic influences are not covered by this standard.

1.2 Acceptance criteria for products exposed to electrical arc:

The procedure outlined in ASTM F887-20 is followed to verify the electric arc performance of the personal climbing equipment. The product is considered as having passed the visual inspection criteria if the parameters defined in Table 1-1 are met. As proof of performance following the arc exposure, the exposed test specimens shall be subjected to a drop test as soon as practical after the arc exposure.

Table 1-1: Visual inspection Criteria for Electric Arc Performance of ASTM F887-20

Parameter	Criterion
Arc Energy	Electrical arc exposure of 40 cal/cm² ± 5 cal/cm²
Ignition	No electric arc ignition.
After-flame Time	Less than 5 seconds on load bearing materials and less than 15 seconds for accessories or non-load bearing components.
Material Performance	Material shall withstand the arc exposure with good integrity and have no melting and dripping of molten materials to the floor of any load bearing material. Non load bearing accessories may exhibit melting and dripping provided they are not ignited while dripping.

2 Test Condition:

The following test circuit parameters and conditions were used.

- Electric arc current: 8 kA rms ± 10%, 60 Hz
- Open circuit voltage: 2500 V rms ± 10%, 60 Hz
- Nominal Heat Flux Density: 2100 kW/m^2 (50 cal/cm²·s)
- Arc duration: 0.85 seconds ± 0.1 s to obtain required incident energy
- Electrode gap: 305 mm (12 inches)
- Distance from mannequin to electrode: 305 mm (12 inches)
- Deviations and abnormalities: none

Note: The measurement uncertainty, MU, for the measured values of this test method are well within the requirements of the test standard and are defined on a 95% confidence interval basis over the full test range, as follows:

- Temperature: ± 2 °C Incident Energy: ± 1.5%
- Arc Current: ± 2.5% Voltage: ± 2.2%
- Time zero reference: ± 3 ms

3 Test Specimen:

The following description of the test sample was provided by the client and confirmed by the sample shown in Figure 3.1.

Sample description:	SRL-P
Sample identification:	Style 84008TPD1
Manufacturer:	Fall Tech
Material of webbing:	Kevlar Black/Yellow
Number of samples tested:	7
Notes:	SRL assembly has an accessory with textile pouch, no material description was provided for the pouch. Product has no manufacturer label or identification number.