

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 #

D0819037

Declaration Date

8.22.19

Tested Item #

7278

120' DuraTech SRL-R, Galvanized Cable

Additional Items Conforming Under this Declaration:

7277

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

ANSI Z359.14-2014

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-1676

Authorized Signature

Name

Mark Sasaki

Title

Director of Engineering

Date

12.12.19



International Accreditation Service, Inc
3060 Saturn St, Ste 100
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FallTech Lab - TL-594
ISO/IEC 17025:2005
Alexander Andrew Inc dba FallTech

FallTech Test Report

Test Report No.	PC-1676	Rpt. Date	8/22/2019	Rpt. Rev		Rev Date	
Report Prepared For	FallTech						
Initiated By	Dan Redden	Test Specification(s)	ANSI Z359.14-2014: 3.1.5, 4.2.1, 4.2.3 4.2.5, 4.2.6, 4.2.8, 4.3.1, 4.3.3, 4.3.4				
Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				
Test Operator(s)	Yesbet Sierra / Jay Sponholz						

Material/Sample Identification

Sample ID	Description
A1	120' 3-DuraTech SRL-R, Galvanized Cable
A2	120' 3-DuraTech SRL-R, Galvanized Cable
A3	120' 3-DuraTech SRL-R, Galvanized Cable
SSTR1	120' 3-DuraTech SRL-R, Galvanized Cable
SSTR2	120' 3-DuraTech SRL-R, Galvanized Cable
SSTR3	120' 3-DuraTech SRL-R, Galvanized Cable
A1	120' 3-DuraTech SRL-R, Galvanized Cable
A2	120' 3-DuraTech SRL-R, Galvanized Cable
A3	120' 3-DuraTech SRL-R, Galvanized Cable
H1	120' 3-DuraTech SRL-R, Galvanized Cable
C1	120' 3-DuraTech SRL-R, Galvanized Cable
W1	120' 3-DuraTech SRL-R, Galvanized Cable
R1	120' 3-DuraTech SRL-R, Galvanized Cable
R2	120' 3-DuraTech SRL-R, Galvanized Cable
R3	120' 3-DuraTech SRL-R, Galvanized Cable
SST1	120' 3-DuraTech SRL-R, Galvanized Cable
SST2	120' 3-DuraTech SRL-R, Galvanized Cable
SST3	120' 3-DuraTech SRL-R, Galvanized Cable
DST1	120' 3-DuraTech SRL-R, Galvanized Cable
DST2	120' 3-DuraTech SRL-R, Galvanized Cable
DST3	120' 3-DuraTech SRL-R, Galvanized Cable



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.3.1	Functional 36" Travel 125 % Maximum Capacity (387 lbs)	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	Functional 36" Travel 75 % Minimum Capacity (97 lbs)	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
ANSI Z359.14-2014 4.3.1	Functional 36" Travel 125 % Maximum Capacity (387 lbs)	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
	Functional 36" Travel 75 % Minimum Capacity (97 lbs)	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
ANSI Z359.14-2014 4.3.1	Functional 36" Travel 125 % Maximum Capacity (387 lbs)	< 4" Vertical Displacement	0.2"	Pass
	Hold	1 Minute	1 Minute	Pass
	Functional 36" Travel 75 % Minimum Capacity (97 lbs)	< 4" Vertical Displacement	0.0"	Pass
	Hold	1 Minute	1 Minute	Pass
ANSI Z359.14-2014 4.3.3	Static Strength Rescue Mode	≥ 3,000 Lbf for ≥ 60 Seconds	3091.8 lbF	Pass
ANSI Z359.14-2014 4.3.3	Static Strength Rescue Mode	≥ 3,000 Lbf for ≥ 60 Seconds	3051.5 lbF	Pass
ANSI Z359.14-2014 4.3.3	Static Strength Rescue Mode	≥ 3,000 Lbf for ≥ 60 Seconds	3045.0 lbF	Pass



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.1, 4.2.6, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	46.6"	Pass
	Max Arrest Force	\leq 1800 Lbf	768.1 lbF	Pass
	Avg Arrest Force	Class A \leq 1350 Lbf Class B \leq 900 Lbf	644.0 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	23.3" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.0 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.2 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.8 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.6 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.1, 4.2.6, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	41.6"	Pass
	Max Arrest Force	\leq 1800 Lbf	843.7 lbF	Pass
	Avg Arrest Force	Class A \leq 1350 Lbf Class B \leq 900 Lbf	626.5 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	20.8" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.2 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.2 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.0 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.8 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	5.4 lbF	Pass



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.1, 4.2.6, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	47.6"	Pass
	Max Arrest Force	\leq 1800 Lbf	997.9 lbF	Pass
	Avg Arrest Force	Class A \leq 1350 Lbf Class B \leq 900 Lbf	692.5 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	23.8" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.2 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.2 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.6 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.2 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.2 lbF	Pass



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.8.1, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	43.4"	Pass
	Max Arrest Force	\leq 1800 Lbf	912.6 lbf	Pass
	Avg Arrest Force	Class A \leq 1575 Lbf Class B \leq 1125 Lbf	649.4 lbf	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	21.7" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	2.0 lbf	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.8 lbf	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbf	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.8 lbf	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbf	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	5.0 lbf	Pass



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Part No.	7278	Part No. Revision		A			
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete		7/7/2019			

Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.8.2, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	38.4"	Pass
	Max Arrest Force	\leq 1800 Lbf	1682.7 lbF	Pass
	Avg Arrest Force	Class A \leq 1575 Lbf Class B \leq 1125 Lbf	900.6 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	19.2" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.0 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.0 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.6 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.8 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	5.0 lbF	Pass



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail	
ANSI Z359.14-2014 4.2.8.3, 4.3.4	Arrest Distance	Class A \leq 24" Class B \leq 54"	43.2"	Pass
	Max Arrest Force	\leq 1800 Lbf	736.5 lbF	Pass
	Avg Arrest Force	Class A \leq 1575 Lbf Class B \leq 1125 Lbf	611.2 lbF	Pass
	Post Fall Rescue Mode Functional Travel	50% Arrest Distance < 4" Vertical Displacement	21.6" Travel 0.0" Displacement	Pass
	Visual Impact Indicator	Visual Deployment	Visually Deployed	Pass
	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.8 lbF	Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.2 lbF	Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.2 lbF	Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.6 lbF	Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	3.8 lbF	Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf \leq 24" Extended	4.6 lbF	Pass



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Part No.	7278	Part No. Revision	A				
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete	7/7/2019				

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.6	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.2 lbF Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.2 lbF Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.0 lbF Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.6 lbF Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	5.0 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.8 lbF Pass
ANSI Z359.14-2014 4.2.6	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	2.4 lbF Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.4 lbF Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.2 lbF Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.0 lbF Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.0 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.2 lbF Pass
ANSI Z359.14-2014 4.2.6	Retraction Tension 0% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.2 lbF Pass
	Retraction Tension 20% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.6 lbF Pass
	Retraction Tension 40% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	3.8 lbF Pass
	Retraction Tension 60% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.0 lbF Pass
	Retraction Tension 80% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	5.0 lbF Pass
	Retraction Tension 100% Extracted	1.25 Lbf - 25 Lbf ≤ 24" Extended	4.4 lbF Pass



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Part No.	7278	Part No. Revision		A			
Part Description	120' DuraTech SRL-R, Galvanized Cable						
Test Request No.	PC-1676	Date Complete		7/7/2019			

Test Summary (Continued)

Test Specification	Test Criteria	Test Result	Pass/Fail
ANSI Z359.14-2014 4.2.5	Static Strength ≥ 3,000 Lbf for ≥ 60 Seconds	3032.3 lbF	Pass
ANSI Z359.14-2014 4.2.5	Static Strength ≥ 3,000 Lbf for ≥ 60 Seconds	3070.9 lbF	Pass
ANSI Z359.14-2014 4.2.5	Static Strength ≥ 3,000 Lbf for ≥ 60 Seconds	3046.9 lbF	Pass
ANSI Z359.14-2014 4.2.3	Dynamic Strength 4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength ≥ 1000 Lbf	1123.6 lbF	Pass
ANSI Z359.14-2014 4.2.3	Dynamic Strength 4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength ≥ 1000 Lbf	1042.7 lbF	Pass
ANSI Z359.14-2014 4.2.3	Dynamic Strength 4' Fall w/ 300 Lb Test Weight; Weight Shall Not Strike the Ground	Did not strike ground	Pass
	Line Constituent Strength ≥ 1000 Lbf	1030.8 lbF	Pass



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Part No.	7278	Part No. Revision	A				
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Test Request No.	PC-1676	Date Complete	7/7/2019				


Test Summary (Continued)

Test Specification	Test Criteria		Test Result	Pass/Fail
ANSI Z359.14-2014 3.1.5	Corrosion Protection	Function as Intended: Pay out, Retract and Lock	See Element Report# FAL003-19-08-88003- 1R3	Pass
	Corrosion Protection	Corrosion that could result in failure	See Element Report# FAL003-19-08-88003- 1R3	Pass

Conclusion

Based upon the samples provided to the Lab:
FallTech P/N 7278 Rev. A meets the requirements of ANSI Z359.14-2014.

Report Signatories and Approval

Lab Quality Manager		Date	8/22/2019
Witnessed by	Not Required	Date	N/A