





Prüfbericht-Nr.: <i>Test report no.:</i>	15055561 030	Auftrags-Nr.: <i>Order no.:</i>	244365833	Seite 1 von 10 Page 1 of 10	
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2021-10-12		
Auftraggeber: <i>Client:</i>	Wenzhou Longhua Daily Electron Co., Ltd. / No. 3 Building, Part C, Xixi Industry Zone, Hongqiao, Yueqing, Zhejiang 325608, P.R. CHina				
Prüfgegenstand: <i>Test item:</i>	Cable Tie				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	see page 2				
Auftrags-Inhalt: <i>Order content:</i>	TÜV mark, CoC-LVD and UKCA CoC-LVD approval				
Prüfgrundlage: <i>Test specification:</i>	EN IEC 62275:2019				
Wareneingangsdatum: <i>Date of sample receipt:</i>	2021-10-12				
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003246277 001-006				
Prüfzeitraum: <i>Testing period:</i>	2022-02-16 - 2022-02-18				
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shanghai) Co., Ltd.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von: <i>reviewed by:</i>	 _____ Signed by: Doom Zhu		genehmigt von: <i>authorized by:</i>	 _____ Signed by: Yi Zeng	
Datum: <i>Date:</i>	2022-04-20		Ausstelldatum: <i>Issue date:</i>	2022-04-20	
Stellung / Position:	Project Engineer		Stellung / Position:	Technical Certifier	
Sonstiges / Other:	This report was created for standard update from EN 62275:2015 to EN IEC 62275:2019. Besides, the safety requirement of Electrical Equipment (Safety) Regulations 2016 was also considered.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>				
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend 4 = sufficient	5 = mangelhaft 5 = poor N/T = nicht getestet N/T = not tested
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/A = not applicable	5 = poor N/T = not tested
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>					

Sonstiges/ Other (continuous):

• Model list:

LH-M-100-4S	LH-S-200-8S	LH-S-300-12S	LH-HD-200-8S	LH-HD-300-12S	LH-M-080-3
LH-M-100-4	LH-M-120-5	LH-M-130-5	LH-M-150-6	LH-M-160-6	LH-M-200-8
LH-I-140-5	LH-I-150-6	LH-I-200-8	LH-I-250-10	LH-I-280-11	LH-I-300-12
LH-I-370-15	LH-S-120-5	LH-S-160-6	LH-S-180-7	LH-S-200-8	LH-S-250-10
LH-S-280-11	LH-S-300-12	LH-S-310-12	LH-S-350-14	LH-S-360-14	LH-S-370-15
LH-S-380-15	LH-S-390-16	LH-S-430-17	LH-S-450-18	LH-S-500-20	LH-S-550-21
LH-HD-150-6	LH-HD-200-8	LH-HD-250-10	LH-HD-300-12	LH-HD-350-14	LH-HD-365-14
LH-HD-380-15	LH-HD-400-16	LH-HD-450-18	LH-HD-540-21	LH-HD-550-22	LH-EHD-400-16
LH-EHD-450-18	LH-EHD-500-20	LH-EHD-550-21	LH-EHD-560-22	LH-EHD-610-24	LH-EHD-760-30
LH-EHD-780-31	LH-EHD-810-32	LH-EHD-920-36	LH-EHD-1220-48	LH-HSD-530-21	LH-HSD-650-26
LH-HSD-1000-34	LH-M-260-10	LH-M-380-15	LH-S-610-24	LH-S-740-29	LH-S-920-36
LH-HD-220-8	LH-HD-610-24	LH-HD-750-30	LH-EHD-710-28	LH-EHD-750-29	LH-EHD-1020-40
LH-EHD-1168-48	LH-EHD-1530-60	LH-HSD-230-9	LH-HSD-290-11	LH-HSD-380-15	LH-HSD-480-19
LH-HSD-580-22	LH-HSD-730-28	LH-HSD-880-34	LH-I-180-7	LH-S-190-8	LH-S-400-16
LH-HD-280-11	LH-EHD-300-12	LH-HD-500-20			

TEST REPORT IEC 62275 Cable management systems - Cable ties for electrical installations	
Report Reference No.	15055561 030
Tested by (+ signature)	See cover page
Approved by (+ signature)	See cover page
Date of issue	See cover page
Total number of pages	See cover page
Testing Laboratory	TÜV Rheinland (Shanghai) Co., Ltd
Address	No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai 200072, P.R. China
Applicant's name	Wenzhou Longhua Daily Electron Co., Ltd.
Address	No. 3 Building, Part C, Xixi Industry Zone, Hongqiao, Yueqing, Zhejiang 325608, P.R. China
Test specification:	
Standard	IEC 62275:2018
Test procedure	Type test
Non-standard test method	N/A
Test Report Form No.	IEC 62275_2018Ed.1.0
Test Report Form(s) Originator	TÜV Rheinland
Master TRF	Dated 2018-12
Test item description	Cable ties
Trade Mark	
Manufacturer	Same as applicant
Model/Type reference	See "General product information" on page 6-9
Ratings	See page 5-9

Summary of testing:

Tests performed (name of test and test clause):

This report was created for standard update from EN 62275:2015 to EN IEC 62275:2019. After evaluation, no tests were deemed necessary.

Copy of marking plate

Following information is marked on the manual.

Wenzhou Longhua Daily Electron Co., Ltd.

No. 3 Building, Part C, Xixi Industry Zone, Hongqiao, Yueqing, Zhejiang 325608, P.R. China



(for UKCA)

Test item particulars	
Material.....	: <input type="checkbox"/> Metallic <input checked="" type="checkbox"/> Non-metallic <input type="checkbox"/> Composite
Loop tensile strength.....	: See page 6-9
Type of loop tensile strength	: <input checked="" type="checkbox"/> Type 1 <input type="checkbox"/> Type 2
Maximum & Minimum operating temperature for application	: -15°C to 85°C (for LH-M-100-4S; LH-S-200-8S; LH-S-300-12S; LH-HD-200-8S; LH-HD-300-12S) -40°C to 85 °C (for other types)
Minimum temperature during installation.....	: -10°C (for LH-M-100-4S; LH-S-200-8S; LH-S-300-12S; LH-HD-200-8S; LH-HD-300-12S) -20°C (for other types)
Contribution to fire	: <input type="checkbox"/> Flame propagating <input checked="" type="checkbox"/> Non-flame propagating
Resistance to ultraviolet	: <input checked="" type="checkbox"/> Not declared (for other colours) <input checked="" type="checkbox"/> Resistant to ultraviolet light (for black colour)
Resistance to corrosion	: <input checked="" type="checkbox"/> Not declared <input type="checkbox"/> Resistant to corrosion
Possible test case verdicts:	
- test case does not apply to the test object.....	: N/A
- test object does meet the requirement	: P (Pass)
- test object does not meet the requirement.....	: F (Fail)
Testing	
Date of receipt of test item.....	: See cover page
Date (s) of performance of tests.....	: See cover page
General remarks:	
<p>The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a comma (point) is used as the decimal separator.</p>	

General product information:

Model list

Model	Dimension WxLxT (mm)	Colour	Declared bundle Diameter (mm)	Declared loop tensile Strength (N)
LH-M-080-3	2,5x80x1,1	White; Black; red; yellow; blue; green; brown; grey	3 - 14	80
LH-M-100-4	2,5x100x1,1		3 - 20,5	80
LH-M-120-5	2,5x120x1,1		3 - 27	80
LH-M-130-5	2,5x130x1,1		3 - 30	80
LH-M-150-6	2,5x150x1,1		3 - 36,5	80
LH-M-160-6	2,5x160x1,1		3 - 39,8	80
LH-M-200-8	2,5x200x1,1		3 - 52,5	80
LH-M-260-10	2,5x260x1,1		3 - 73	80
LH-M-380-15	2,5x380x1,1		3 - 110	80
LH-I-140-5	3,6x140x1,2		3,5 - 33	180
LH-I-150-6	3,6x150x1,2		3,5 - 36	180
LH-I-180-7	3,6x180x1,2		3,5 - 46	180
LH-I-200-8	3,6x200x1,2		3,5 - 52,5	180
LH-I-250-10	3,6x250x1,2		3,5 - 68	180
LH-I-280-11	3,6x280x1,2		3,5 - 78	180
LH-I-300-12	3,6x300x1,2	3,5 - 84	180	
LH-I-370-15	3,6x370x1,2	3,5 - 106	180	
LH-S-120-5	4,8x120x1,3	3,5 - 23,8	230	
LH-S-160-6	4,8x160x1,3	3,5 - 36,6	230	
LH-S-180-7	4,8x180x1,3	3,5 - 43	230	
LH-S-190-8	4,8x190x1,3	3,5 - 46	230	
LH-S-200-8	4,8x200x1,3	3,5 - 49,5	230	
LH-S-250-10	4,8x250x1,3	3,5 - 65	230	
LH-S-280-11	4,8x280x1,3	3,5 - 74,8	230	
LH-S-300-12	4,8x300x1,3	3,5 - 81	230	

LH-S-310-12	4,8x310x1,3		3,5 - 84	230
LH-S-350-14	4,8x350x1,3		3,5 - 97	230
LH-S-360-14	4,8x360x1,3		3,5 - 100	230
LH-S-370-15	4,8x370x1,3		3,5 - 103,5	230
LH-S-380-15	4,8x380x1,3		3,5 - 106,7	230
LH-S-390-16	4,8x390x1,3		3,5 - 110	230
LH-S-400-16	4,8x400x1,3		3,5 - 113	230
LH-S-430-17	4,8x430x1,3		3,5 - 122,5	230
LH-S-450-18	4,8x450x1,3		3,5 - 129	230
LH-S-500-20	4,8x500x1,3		3,5 - 145	230
LH-S-550-21	4,8x550x1,3		3,5 - 160	230
LH-S-610-24	4,8x610x1,3		3,5 - 179,9	230
LH-S-740-29	4,8x740x1,3		3,5 - 220	230
LH-S-920-36	4,8x920x1,3		3,5 - 278	230
LH-HD-150-6	7,6x150x1,6		8,5 - 35	540
LH-HD-200-8	7,6x200x1,6		8,5 - 50,9	540
LH-HD-220-8	7,6x220x1,6		8,5 to 56	540
LH-HD-250-10	7,6x250x1,6		8,5 - 66,8	540
LH-HD-280-11	7,6x280x1,6		8,5 – 74	540
LH-HD-300-12	7,6x300x1,6		8,5 - 82,8	540
LH-HD-350-14	7,6x350x1,6		8,5 - 98,5	540
LH-HD-365-14	7,6x365x1,6		8,5 - 103,5	540
LH-HD-380-15	7,6x380x1,6		8,5 - 108	540
LH-HD-400-16	7,6x400x1,6		8,5 - 114,5	540
LH-HD-450-18	7,6x450x1,6		8,5 - 130,5	540
LH-HD-500-20	7,6x500x1,6		8,5 - 145	540
LH-HD-540-21	7,6x540x1,6		8,5 - 159	540
LH-HD-550-22	7,6x550x1,6		8,5 - 162,5	540
LH-HD-610-24	7,6x610x1,6		8,5 - 181,5	540
LH-HD-750-30	7,6x750x1,6		8,5 - 226	540

LH-EHD-300-12	8.8x300x1,8	White / black	8,5 - 83	800
LH-EHD-400-16	8,8x400x1,8	White / black	8,5 - 115	800
LH-EHD-450-18	8,8x450x1,8	White / black	8,5 - 130,5	800
LH-EHD-500-20	8,8x500x1,8	White / black	8,5 - 146,5	800
LH-EHD-550-21	8,8x550x1,8	White / black	8,5 - 163,5	800
LH-EHD-560-22	8,8x560x1,8	White / black	8,5 - 165,5	800
LH-EHD-610-24	8,8x610x1,8	White / black	8,5 - 181,5	800
LH-EHD-710-28	8.8x710x1,8	White / black	8,5 - 195	800
LH-EHD-750-29	8.8x750x1,8	White / black	8,5 - 205	800
LH-EHD-760-30	8,8x760x1,8	White / black	8,5 - 229,5	800
LH-EHD-780-31	8,8x780x1,8	White / black	8,5 - 235,5	800
LH-EHD-810-32	8,8x810x1,8	White / black	8,5 - 245	800
LH-EHD-920-36	8,8x920x1,8	White / black	8,5 - 280	800
LH-EHD-1020-40	8.8x1020x1,8	White / black	8,5 - 295	800
LH-EHD-1168-48	8.8x1168x1,8	White / black	8,5 - 340	800
LH-EHD-1220-48	8,8x1220x1,8	White / black	78 - 375,5	800
LH-EHD-1530-60	8.8x1530x1,8	White / black	160 - 450	800
LH-HSD-230-9	12.4x230x2,0	White / black	9 - 57	1200
LH-HSD-290-11	12.4x290x2,0	White / black	9 - 76	1200
LH-HSD-380-15	12.4x380x2,0	White / black	9 – 103,5	1200
LH-HSD-480-19	12.4x480x2,0	White / black	9 - 136	1200
LH-HSD-530-21	12,4x530x2,0	White / black	10 - 156	1200
LH-HSD-580-22	12.4x580x2,0	White / black	9 - 168	1200
LH-HSD-650-26	12,4x650x2,0	White / black	14 - 195	1200
LH-HSD-730-28	12.4x730x2,0	White / black	9 – 216	1200
LH-HSD-880-34	12.4x880x2,0	White / black	9 - 263	1200
LH-HSD-1000-34	12,4x1000x2,0	White / black	18 - 315	1200
LH-M-100-4S	2,5x100x1,0	White / black	3 to 20,5	80
LH-S-200-8S	4,8x200x1,3	White / black	4,5 to 45	230
LH-S-300-12S	4,8x300x1,3	White / black	4,5 to 75	230

LH-HD-200-8S	7,6x200x1,6	White / black	8,5 to 45	540
LH-HD-300-12S	7,6x300x1,6	White / black	8,5 to 75	540

IEC 62275			
Clause	Requirement + Test	Result - Remark	Verdict
7	Marking and documentation		P
8	Construction		P
9	Mechanical properties		P
10	Contribution to fire		P
11	Environmental influences		P
12	Electromagnetic compatibility		N/A