Technical Construction File

EN IEC 62275:2019

Cable management systems – Cable ties for electrical installations

Report reference No.....:	TLGW25072373575
Compiled by (+ signature).....:	Stephen Zhang / Test Engineer .....
Approved by (+ signature).....:	Kosco Vent / Project Manager .....
Date of issue.....:	July 25, 2025
Reviewing laboratory.....:	Shanghai Global Testing Services Co., Ltd.
Reviewing location.....:	Floor 3rd, Building D-1, No. 128, Shenfu Road, Minhang District, Shanghai, China.
Applicant.....:	ABC Abrasives Ltd.
Address.....:	Unit 8b Malahide Road Industrial Park, Dublin, Ireland
Factory.....:	The same as manufacturer
Address.....:	The same as manufacturer
Standard.....:	☒ EN IEC 62275:2019
Review Report Form No.....:	62275
TRF originator.....:	GTS
Master TRF.....:	Reference No. EN IEC 62275:2019
Review procedure .....:	GTS
Type of Review object.....:	CABLE TIES
Trade mark.....:	SAFELINE
Model/type reference.....:	CTB100, CTB150, CTB200, CTB250, CTB300, CTB350, CTB450, CTB3008, CTB550, CTB450L, CTB900, CTB710, CTB1200, CTW100, CTW150, CTW200, CTW250, CTW300, CTW3008, CTW550, CTW450L, CTW750, CTW710, CTW790, CTW900, CTW1200
Main Model.....:	CTW200
Rating.....:	/

Possible review case verdicts: - review case does not apply to the test object..... : N(.A.) - review object does meet the requirement..... : P(ass) - review object does not meet the requirement.....: F(ail)
General remarks:
"(see remark #)" refers to a remark appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a comma is used as the decimal separator. The review results presented in this report relate only to the object reviewed. This report shall not be reproduced except in full without the written approval of the third party.

Testing:	
Date of receipt of review item:	July 15, 2025
Date(s) of performance of review:	July 15, 2025 to July 25, 2025

General product information: CABLE TIES
Summary of reviewing: This review report includes: Annex I: 2 page(s) of photo documentation.
Copy of marking plate

CABLE TIES, Model CTW200	Marking CE

5.4	Unless otherwise specified, three new samples are submitted to the tests and the requirements are satisfied if all the tests are met. If only one of the samples does not satisfy a test due to an assembly or manufacturing fault, that test and any preceding one which may have influenced the results of the test shall be repeated and also the tests which follow shall be made in the required sequence on another full set of samples, all of which shall comply with the requirements.		P
5.5	When toxic or hazardous processes are used, due regard shall be taken of the safety of persons within the test area.		N/A
5.6	Unless otherwise specified, the cross-head speed of a tensile machine used during the tests shall be (25 ± 2,5) mm/min.		P
5.7	Where required for heat ageing, a full draft circulating-air oven as specified in IEC 60216-4-1 shall be used.		P
	A portion of the air shall be allowed to re-circulate and a substantial amount of air shall be admitted continuously to maintain the normal air content surrounding the samples. The oven shall be adjusted to achieve more than 5 complete fresh air change per hour		P
5.8	A fixing device that is integral to a cable tie shall comply with the requirements for both the fixing device and the cable tie. The integral assembly shall be classified according to 6.2.2 or 6.2.3 and subjected to the conditionings for the cable tie prior to conducting the mechanical strength test for the fixing device according to 9.7		P
	A fixing device, the performance of which is dependent on the mounting hole size, the thickness of the material sheet to which it is to be mounted, or the mounting orientation declared by the manufacturer according to 7.3 f), shall comply with all applicable tests when the device is assembled to the minimum and maximum thickness of each mounting surface, in the largest hole size, and in each intended mounting orientation declared by the manufacturer		P
	When it can be determined that a particular mounting orientation represents the most onerous condition, the results of the tests in that orientation may represent all mounting orientations.		P
5.9	Unless otherwise specified, when conducting the tests on Cable ties in Clause 9, the samples shall be installed according to the manufacturer's instructions on a steel or aluminium mandrel which has a diameter A according to Table 2:		P
	If the minimum declared diameter of the cable tie is greater than the diameter of the test mandrel specified in Table 2, then a test mandrel that has		N/A

6.5.1.2	Resistant to ultraviolet light		P
6.5.2	According to resistance to corrosion for metallic and composite components		P
6.5.2.1	Not declared		N/A
6.5.2.2	Resistant to corrosion		P

7	Marking and documentation		--
7.1	Each cable tie and fixing device shall be marked with the manufacturer's or responsible vendor's name or trademark and identifying symbol		N/A
	Where it is not possible, for example, due to the small size of a cable tie or fixing device to mark on it the identifying symbol, then this symbol may be marked on the packaging.		P
7.2	Marking on the Cable ties or fixing device shall be clearly legible and durable.		N/A
	Marking made by moulding, pressing or engraving is not subjected to this test.		N/A
	After the test, the marking shall be legible to normal or corrected vision.		N/A
7.3	The manufacturer or responsible vendor shall provide in his literature:		P

8	Construction		P
	The surface of the cable tie or fixing device shall be free from burrs and similar inconsistencies, and edges shall be smooth so as not to damage the cables or to inflict injury to the installer or user.	No burrs, edge smooth	P

9	Mechanical properties		P
9.1	Requirements		P
	The cable tie and/or its associated fixing device shall withstand the stresses likely to occur during installation and application.		P
9.2	Installation test		P
	The sample installed on a mandrel representing the maximum specified diameter or size and the minimum specified diameter or size to determine that it is able to be installed in the intended manner, as specified by the manufacturer.		P
9.3	Minimum installation temperature test for Cable ties		P
9.4	Minimum operating temperature test for Cable ties		P
9.5	Loop tensile strength test for Cable ties classified according to 6.2.2		P
9.6	Loop tensile strength test for Cable ties classified according to 6.2.3		P
9.7	Mechanical strength test for fixing devices		P
10	Contribution to fire		P
	Non-metallic and composite Cable ties classified according to 6.4.2 shall have adequate resistance to flame propagation.		P
	The sample shall be installed on a solid steel or aluminium mandrel with dimensions as specified in		P

Type of equipment: CABLE TIES

Details of:

View:

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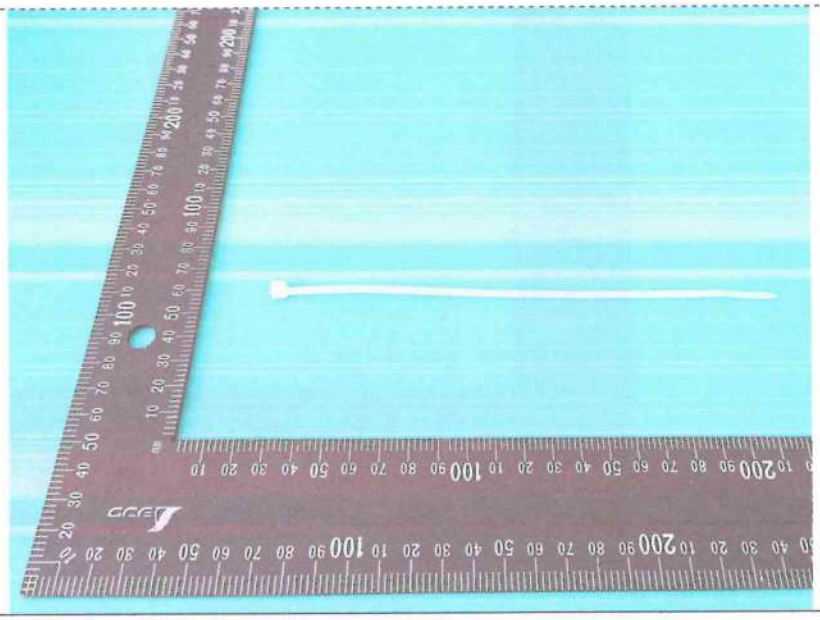
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Details of:

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