



Marine & Offshore

Certificate number: 13190/D0 BV

File number: ACE 14/903/01

Product code: 2535D

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to
ITW CONSTRUCTION PRODUCTS ITALY SRL
Padova - ITALY

for the type of product
CABLE TIES
Plastic Cable Ties
Type: 5xxx and 65xx.

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

IEC 62275:2013

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 31 May 2024**For Bureau Veritas Marine & Offshore,**

At BV VENEZIA, on 31 May 2019,

Sandro BRUSEGAN



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Plastic Cable ties - Type: 5XXX and 65XX.

These devices are molded thermal plastic bundling straps, intended to bind and /or support single or multiple stranded units such as electrical wires, cables and wiring assemblies in electrical equipment. One side of each strap is notched so it can be secured in a ratched device at the opposite end when the straps are applied.

Type	Specifications
5201 to 5243	Natural cable ties produced with natural polyamide 6.6 Installation temperature: -10°C - +60 °C Working temperature: -40°C - +85°C Tensile strength: 80N - 1080N Max bundle: 21MM - 302MM Raw material used: Polyamide 6.6 halogen free
5301 to 5343	Black cable ties produced with natural polyamide 6.6 pigmented with carbon black Installation temperature: -10°C - +60 °C Working temperature: -40°C - +85°C Tensile strength: 80N - 1080N Max bundle: 21MM - 302MM Raw material used: Polyamide 6.6 halogen free
6501 / 6502 / 6503	Black cable ties produced with natural polyamide 6.6 pigmented with carbon black Installation temperature: -10°C - +60 °C Working temperature: -40°C - +85°C Tensile strength: 80N - 1080N Max bundle: 21MM - 302MM Raw material used: Polyamide 6.6 halogen free

2. DOCUMENTS AND DRAWINGS:

- According to manufacturer's pamphlet and specifications filed in ACE 14/903/01.
- Colspeed Technical Data Sheet, Rev4 01/14
- Cable Tie Technical Data Sheet, Rev9 01/14

3. TEST REPORTS:

- 3.1 - Manufacturer's Flame retardant test report N° 219/03 dated 26/05/03.
- 3.2 - UL test report N° E86244 Vol. 1.
- 3.3 - In-house Tests according to Quality Control Mod. PFF Rev. 5 (6501, 6502 & 6503) dated 29/02/08.
- 3.4 - Tests report N°6501, dated 15.11.2012.
- 3.5 - Tests report N°6502, dated 29.11.2011.
- 3.6 - Tests report N°6503, dated 03.03.2013.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships.
- 4.2 - On non-horizontal support, one metallic fastener is to be fitted every five ties.
- 4.3 - According to IEC 60092 series.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The **Plastic Cable ties - Type: 5XXX and 65XX** are to be supplied by **ITW CONSTRUCTION PRODUCTS ITALY SRL** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **ITW CONSTRUCTION PRODUCTS ITALY SRL** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
- 5.4 - For information, **ITW CONSTRUCTION PRODUCTS ITALY SRL** has declared to Bureau Veritas the following production site(s):

**ITW CONSTRUCTION PRODUCTS ITALY SRL
VIA EDISON 23
CADONEGHE-PD
35010 Padova
ITALY**

6. MARKING OF PRODUCT:

- Maker's name or trade mark.
- Serial number of the units.
- Equipment type number or model identification under which it was type-tested.

7. OTHERS:

7.1 - It is **ITW CONSTRUCTION PRODUCTS ITALY SRL** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate N° 13190/C0 BV issued on 17/03/2014 by the Society.

***** END OF CERTIFICATE *****