



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

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|---------------------------|--|
| Manufacturer | LANEX a.s. |
| Address | Hlucinska 96/1, Bolatice, 747 23, Czech Republic |
| Type | Mooring Ropes |
| Description | 3-strand twisted |
| Trade Name | Mooring Ropes - Type A: POLYPROPYLENE, PP MULTIFILAMENT, POLYESTER, POLYAMIDE, POLYS, CRUISER, |
| Application | Marine and offshore mooring ropes |
| Specified Standard | BS EN ISO 2307:2019 - Fibre Ropes - Determination of certain physical and mechanical properties EN ISO 1346:2021 - Fibre ropes - Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) - 3-, 4-, 8- and 12-strand ropes EN ISO 1140:2021 - Fibre ropes - Polyamide - 3-, 4-, 8- and 12-strand ropes EN ISO 1141:2021 - Fibre ropes - Polyester - 3-, 4-, 8- and 12-strand ropes EN ISO 10572:2009 - Mixed polyolefin fibre ropes EN ISO 10556:2009 - Fibre ropes of polyester/polyolefin dual fibres |
| Ratings | POLYPROPYLENE (PP) Type A: Diameter (mm): 3 to 40 Minimum breaking strength (kN): 2.00 to 228.5 Make up: 3 strand twisted |

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A member of the Lloyd's Register group

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PP Multifilament (PPV) Type A:
Diameter (mm): 3 to 40
Minimum breaking strength (kN): 1.75 to 236.0
Make up: 3 strand twisted

POLYESTER (PES) Type A:
Diameter (mm): 3 to 36
Minimum breaking strength (kN): 2.00 to 190.0
Make up: 3 strand twisted

POLYAMIDE (PA) Type A:
Diameter (mm): 2 to 40
Minimum breaking strength (kN): 1.4 to 294.0
Make up: 3 strand twisted

POLYS (PP/PE) Type A:
Diameter (mm): 3 to 40
Minimum breaking strength (kN): 2.65 to 239.6
Make up: 3 strand twisted

CRUISER (PP/PE + PES) Type A:
Diameter (mm): 10 to 40
Minimum breaking strength (kN): 22.5 to 265.0
Make up: 3 strand twisted

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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