



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.

Manufacturer	LANEX a.s.
Address	Hlucinska 96/1, Bolatice, 747 23, Czech Republic
Type	Mooring Ropes
Description	8-strand braided
Trade Name	Mooring Ropes - Type L: POLYPROPYLENE, PP MULTIFILAMENT, POLYESTER, POLYAMIDE, POLYAMIDE HT, POLYS, CRUISER, CRUISER PLUS, TITAN, TITAN PLUS
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 L: Diameter (mm): 28 to 104 Minimum breaking strength (kN): 115.5 to 1360.0 Make up: 8 strand braided

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Team Leader - Non-Metallics to Lloyd's Register EMEA
A member of the Lloyd's Register group

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PP Multifilament (PPV) Type L:
Diameter (mm): 28 to 96
Minimum breaking strength (kN): 114.5 to 1121.0
Make up: 8 strand braided

POLYESTER (PES) Type L:
Diameter (mm): 28 to 96
Minimum breaking strength (kN): 165.0 to 1523.0
Make up: 8 strand braided

POLYAMIDE (PA) Type L:
Diameter (mm): 28 to 104
Minimum breaking strength (kN): 150.0 to 1860.0
Make up: 8 strand braided

POLYAMIDE HT (PA HT) Type L:
Diameter (mm): 40 to 104
Minimum breaking strength (kN): 392.0 to 2100.0
Make up: 8 strand braided

POLYS (PP/PE) Type L:
Diameter (mm): 28 to 100
Minimum breaking strength (kN): 147.0 to 1524.0
Make up: 8 strand braided

CRUISER (PP/PE + PES) Type L:
Diameter (mm): 28 to 96
Minimum breaking strength (kN): 159.8 to 1680.0
Make up: 8 strand braided

CRUISER PLUS (PP/PE + PES) Type L:
Diameter (mm): 28 to 104
Minimum breaking strength (kN): 170.0 to 2235.0
Make up: 8 strand braided

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TITAN (PES + PP/PE) Type L:
Diameter (mm): 28 to 104
Minimum breaking strength (kN): 178.0 to 1878.0
Make up: 8 strand braided

TITAN PLUS (PES + PP/PE) Type L:
Diameter (mm): 28 to 104
Minimum breaking strength (kN): 205.0 to 2290.0
Make up: 8 strand braided

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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