

## ECLA EUROPEAN CLASSIFICATION

- D07B ROPES OR CABLES IN GENERAL** (joining ropes or cables to one another or to other objects [B65H69/00](#), [F16G11/00](#); [N: mountaineering ropes [A63B29/02](#)]; mechanical finishing or dressing of ropes [D02J](#); [N: braiding [D04C](#)]; decorative ropes or cords [D04D](#); suspension cables for bridges [E01D19/16](#); specially adapted for driving, or for being driven by, pulleys or other gearing elements [F16G9/00](#); electric cables or joints insofar as electrical aspects are essential [H01B](#), [H01R](#))
- D07B1/00 Constructional features of ropes or cables**
- D07B1/00B . [N: Composite ropes, i.e. ropes built-up from fibrous or filamentary material and metal wires] [N1001]
  - D07B1/02 . Ropes built-up from fibrous or filamentary material, e.g. of vegetable origin, of animal origin, regenerated cellulose, plastics
  - D07B1/02C . . [N: comprising high modulus, or high tenacity, polymer filaments or fibres, e.g. liquid-crystal polymers] [N1001]
  - D07B1/04 . . with a core of fibres or filaments arranged parallel to the centre line
  - D07B1/06 . Ropes or cables built-up from metal wires, e.g. of section wires around a hemp core
  - D07B1/06B . . [N: Reinforcing cords for rubber or plastic articles]
  - D07B1/06B2 . . . [N: the reinforcing cords being characterised by the rope configuration] [N0905]
  - D07B1/06B4 . . . [N: the reinforcing cords being characterised by the strand configuration] [N0905]
  - D07B1/06B4A . . . . [N: the reinforcing cords consisting of three core wires or filaments and at least one layer of outer wires or filaments, i.e. a 3+N configuration] [N0905]
  - D07B1/06B4B . . . . [N: having a multiple-layer configuration] [N1001]
  - D07B1/06B4C . . . . [N: the reinforcing cords being twisted and with at least one wire exchanging place with another wire] [N1112]
  - D07B1/06B6 . . . [N: comprising longitudinally preformed wires] [N0905]
  - D07B1/06B6A . . . . [N: in the core] [N0905]
  - D07B1/06B8 . . . [N: the wires being made from special alloy or special steel composition] [N0905]
  - D07B1/06B10 . . . [N: the wires being characterised by an anti-corrosive or adhesion promoting coating] [N0905]
  - D07B1/06C . . [N: having a rope configuration] [N0905]
  - D07B1/06C2 . . . [N: characterised by the strand design] [N0905]
  - D07B1/06C4 . . . [N: characterised by the core design] [N0905]
  - D07B1/06D . . [N: having a strand configuration] [N0905]
  - D07B1/08 . . the layers of which are formed of profiled interlocking wires, i.e. the strands forming concentric layers [N: ([D07B1/06B](#) takes precedence)]
  - D07B1/10 . . . with a core of wires arranged parallel to the centre line
  - D07B1/12 . Ropes or cables with a hollow core
  - D07B1/14 . Ropes or cables with incorporated auxiliary elements, e.g. for marking, extending

- throughout the length of the rope or cable
- D07B1/14A . . [N: comprising liquid, pasty or powder agents, e.g. lubricants or anti-corrosive oils or greases] [N1001]
  - D07B1/14A2 . . . [N: for ropes or rope components built-up from fibrous or filamentary material] [N1001]
  - D07B1/14A4 . . . [N: for cables or cable components built-up from metal wires] [N1001]
  - D07B1/14B . . [N: comprising elements for indicating or detecting the rope or cable status] [N1001]
  - D07B1/14C . . [N: comprising electric conductors or elements for information transfer ([D07B1/14B](#) takes precedence)] [N1001]
  - D07B1/14D . . [N: comprising marks or luminous elements] [N1001]
  - D07B1/16 . Ropes or cables with an enveloping sheathing or inlays of rubber or plastics ([D07B1/04](#), [D07B1/10](#) take precedence)
  - D07B1/16B . . [N: characterised by a plastic or rubber enveloping sheathing] [N0905]
  - D07B1/16C . . [N: characterised by a plastic or rubber inlay] [N0905]
  - D07B1/16C2 . . . [N: having a predetermined shape] [N0905]
  - D07B1/18 . Grommets [N: ([slings B66C1/12](#))]
  - D07B1/18B . . [N: characterised by the eye construction] [N1104]
  - D07B1/20 . Buoyant ropes, e.g. with air-filled cellular cores; Accessories therefor
  - D07B1/22 . Flat or flat-sided ropes; Sets of ropes consisting of a series of parallel ropes

**Guide heading: Manufacture of ropes or cables**

- D07B3/00 General-purpose machines or apparatus for producing twisted ropes or cables from component strands of the same or different material**
- D07B3/00B . [N: with alternating twist directions]
  - D07B3/02 . in which the supply reels rotate about the axis of the rope or cable [N: or in which a guide member rotates about the axis of the rope or cable to guide the component strands away from the supply reels in fixed position] [C1001]
  - D07B3/04 . . and are arranged in tandem along the axis of the machine, [N: e.g. tubular or high-speed type stranding machine] [C9701]
  - D07B3/04B . . . [N: with the reels axially aligned, their common axis coinciding with the axis of the machine] [C9511]
  - D07B3/06 . . and are spaced radially from the axis of the machine, [N: i.e. basket or planetary-type stranding machine] [C9511]
  - D07B3/08 . in which the take-up reel rotates about the axis of the rope or cable [N: or in which a guide member rotates about the axis of the rope or cable to guide the rope or cable on the take-up reel in fixed position] and the supply reels are fixed in position [C1001]
  - D07B3/08B . . [N: in which a guide member rotates about the axis of the rope or cable to guide the rope or cable on the take-up reel in fixed position] [N1001]
  - D07B3/10 . . with provision for imparting more than one complete twist to the ropes or cables for

- each revolution of the take-up reel [N: or of the guide member] [C1001]
- D07B3/10B . . . [N: characterised by the bow construction] [N1110]
- D07B3/10C . . . [N: characterised by comprising two bows, both guiding the same bundle to impart a twist] [N1110]
- D07B3/12 . operating with rotating loops of filaments
- D07B3/14 . hand-operated
- D07B5/00            Making ropes or cables from special materials or of particular form**
- D07B5/00B . [N: Making parallel wire strands]
- D07B5/00C . [N: characterised by their outer shape or surface properties] [N1001]
- D07B5/00D . [N: comprising postformed and thereby radially plastically deformed elements] [N1104]
- D07B5/02 . from straw or like vegetable material
- D07B5/04 . Rope bands
- D07B5/06 . from natural or artificial staple fibres
- D07B5/08 . . agglutinated by adhesives
- D07B5/10 . from strands of non-circular cross-section
- D07B5/12 . of low twist or low tension by processes comprising setting or straightening treatments
- D07B7/00            Details of, or auxiliary devices incorporated in, rope- or cable-making machines; Auxiliary apparatus associated with such machines**
- D07B7/02 . Machine details; Auxiliary devices
- D07B7/02B . . [N: Measuring or adjusting the lay or torque in the rope]
- D07B7/02C . . [N: Preforming the wires or strands prior to closing]
- D07B7/02D . . [N: Postforming of ropes or strands] [N1104]
- D07B7/04 . . Devices for imparting reverse rotation to bobbin- or reel cages
- D07B7/06 . . Bearing supports or brakes for supply bobbins or reels
- D07B7/08 . . Alarms or stop motions responsive to exhaustion or breakage of filamentary material fed from supply reels or bobbins
- D07B7/10 . . Devices for taking-up or winding the finished rope or cable
- D07B7/12 . . for softening, lubricating or impregnating ropes, cables, or component strands thereof
- D07B7/14 . . for coating or wrapping ropes, cables, or component strands thereof (applying liquids or other fluent materials to surfaces in general [B05](#); wrapping elongated cores in general [B65H81/06](#))
- D07B7/14B . . . [N: Coating or filling-up interstices]
- D07B7/16 . Auxiliary apparatus

- D07B7/16B . . [N: Vices or clamps for bending or holding the rope or cable during splicing]
- D07B7/16C . . [N: Apparatus for making slings] [N1001]
- D07B7/16D . . [N: Apparatus for joining rope components] [N1001]
- D07B7/18 . . for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes

**D07B9/00                    Binding or sealing ends, e.g. to prevent unravelling**