

CPC COOPERATIVE PATENT CLASSIFICATION

D07B **ROPES OR CABLES IN GENERAL** (joining ropes or cables to one another or to other objects [B65H 69/00](#), [F16G 11/00](#); {mountaineering ropes [A63B 29/02](#)}; mechanical finishing or dressing of ropes [D02J](#); {braiding [D04C](#)}; decorative ropes or cords [D04D](#); suspension cables for bridges [E01D 19/16](#); specially adapted for driving, or for being driven by, pulleys or other gearing elements [F16G 9/00](#); electric cables or joints insofar as electrical aspects are essential [H01B](#), [H01R](#))

1/00 Constructional features of ropes or cables

- 1/005 . {Composite ropes, i.e. ropes built-up from fibrous or filamentary material and metal wires}
- 1/02 . Ropes built-up from fibrous or filamentary material, e.g. of vegetable origin, of animal origin, regenerated cellulose, plastics
- 1/025 . . {comprising high modulus, or high tenacity, polymer filaments or fibres, e.g. liquid-crystal polymers}
- 1/04 . . with a core of fibres or filaments arranged parallel to the centre line
- 1/06 . Ropes or cables built-up from metal wires, e.g. of section wires around a hemp core
- 1/0606 . . {Reinforcing cords for rubber or plastic articles}
- 1/0613 . . . {the reinforcing cords being characterised by the rope configuration}
- 1/062 . . . {the reinforcing cords being characterised by the strand configuration}
- 1/0626 {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}
- 1/0633 {having a multiple-layer configuration}
- 1/064 {the reinforcing cords being twisted and with at least one wire exchanging place with another wire}
- 1/0646 . . . {comprising longitudinally preformed wires}
- 1/0653 {in the core}
- 1/066 . . . {the wires being made from special alloy or special steel composition}
- 1/0666 . . . {the wires being characterised by an anti-corrosive or adhesion promoting coating}
- 1/0673 . . {having a rope configuration}
- 1/068 . . . {characterised by the strand design}
- 1/0686 . . . {characterised by the core design}
- 1/0693 . . {having a strand configuration}
- 1/08 . . the layers of which are formed of profiled interlocking wires, i.e. the strands forming concentric layers {(D07B 1/0606 takes precedence)}
- 1/10 . . . with a core of wires arranged parallel to the centre line
- 1/12 . Ropes or cables with a hollow core
- 1/14 . Ropes or cables with incorporated auxiliary elements, e.g. for marking, extending throughout the length of the rope or cable
- 1/141 . . {comprising liquid, pasty or powder agents, e.g. lubricants or anti-corrosive oils or greases}
- 1/142 . . . {for ropes or rope components built-up from fibrous or filamentary material}

- 1/144 . . . {for cables or cable components built-up from metal wires}
- 1/145 . . {comprising elements for indicating or detecting the rope or cable status}
- 1/147 . . {comprising electric conductors or elements for information transfer (D07B 1/145 takes precedence)}
- 1/148 . . {comprising marks or luminous elements}
- 1/16 . Ropes or cables with an enveloping sheathing or inlays of rubber or plastics (D07B 1/04, D07B 1/10 take precedence)
- 1/162 . . {characterised by a plastic or rubber enveloping sheathing}
- 1/165 . . {characterised by a plastic or rubber inlay}
- 1/167 . . . {having a predetermined shape}
- 1/18 . Grommets {(slings [B66C 1/12](#))}
- 1/185 . . {characterised by the eye construction}
- 1/20 . Buoyant ropes, e.g. with air-filled cellular cores; Accessories therefor
- 1/22 . Flat or flat-sided ropes; Sets of ropes consisting of a series of parallel ropes

Manufacture of ropes or cables

- 3/00 **General-purpose machines or apparatus for producing twisted ropes or cables from component strands of the same or different material**
- 3/005 . {with alternating twist directions}
- 3/02 . in which the supply reels rotate about the axis of the rope or cable {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}
- 3/04 . . and are arranged in tandem along the axis of the machine, {e.g. tubular or high-speed type stranding machine}
- 3/045 . . . {with the reels axially aligned, their common axis coinciding with the axis of the machine}
- 3/06 . . and are spaced radially from the axis of the machine, {i.e. basket or planetary-type stranding machine}
- 3/08 . in which the take-up reel rotates about the axis of the rope or cable {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
- 3/085 . . {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}

- 3/10 . . with provision for imparting more than one complete twist to the ropes or cables for each revolution of the take-up reel {or of the guide member}
- 3/103 . . . {characterised by the bow construction}
- 3/106 . . . {characterised by comprising two bows, both guiding the same bundle to impart a twist}
- 3/12 . operating with rotating loops of filaments
- 3/14 . hand-operated
- 5/00 Making ropes or cables from special materials or of particular form**
- 5/002 . {Making parallel wire strands}
- 5/005 . {characterised by their outer shape or surface properties}
- WARNING**
Group [D07B 5/005](#) is impacted by reclassification into group [D07B 5/006](#).
Groups [D07B 5/005](#) and [D07B 5/006](#) should be considered in order to perform a complete search.
- 5/006 . . {by the properties of an outer surface polymeric coating}
- WARNING**
Group [D07B 5/006](#) is incomplete pending reclassification of documents from group [D07B 5/005](#).
Groups [D07B 5/005](#) and [D07B 5/006](#) should be considered in order to perform a complete search.
- 5/007 . {comprising postformed and thereby radially plastically deformed elements}
- 5/02 . from straw or like vegetable material
- 5/04 . Rope bands
- 5/06 . from natural or artificial staple fibres
- 5/08 . . agglutinated by adhesives
- 5/10 . from strands of non-circular cross-section
- 5/12 . of low twist or low tension by processes comprising setting or straightening treatments
- 7/00 Details of, or auxiliary devices incorporated in, rope- or cable-making machines; Auxiliary apparatus associated with such machines**
- 7/02 . Machine details; Auxiliary devices
- 7/022 . . {Measuring or adjusting the lay or torque in the rope}
- 7/025 . . {Preforming the wires or strands prior to closing}
- 7/027 . . {Postforming of ropes or strands}
- 7/04 . . Devices for imparting reverse rotation to bobbin- or reel cages
- 7/06 . . Bearing supports or brakes for supply bobbins or reels
- 7/08 . . Alarms or stop motions responsive to exhaustion or breakage of filamentary material fed from supply reels or bobbins
- 7/10 . . Devices for taking-up or winding the finished rope or cable
- 7/12 . . for softening, lubricating or impregnating ropes, cables, or component strands thereof

- 7/14 . . 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 [B65H 81/06](#))
- 7/145 . . . {Coating or filling-up interstices}
- 7/16 . Auxiliary apparatus

WARNING

Group [D07B 7/16](#) is impacted by reclassification into group [D07B 7/169](#).

Groups [D07B 7/16](#) and [D07B 7/169](#) should be considered in order to perform a complete search.

- 7/162 . . {Vices or clamps for bending or holding the rope or cable during splicing}
- 7/165 . . {for making slings}
- 7/167 . . {for joining rope components}
- 7/169 . . {for interconnecting two cable or rope ends, e.g. by splicing or sewing (fixation or holding of the ends prior to or during splicing [D07B 7/162](#); joining the rope or cable components individually or joining the rope ends by permanent means such as welding, gluing or crimp sleeve [D07B 7/167](#); preparing the splice by opening the ends [D07B 7/18](#))}

WARNING

Group [D07B 7/169](#) is incomplete pending reclassification of documents from group [D07B 7/16](#).

Groups [D07B 7/16](#) and [D07B 7/169](#) should be considered in order to perform a complete search.

- 7/18 . . for spreading or untwisting ropes or cables into constituent parts for treatment or splicing purposes

WARNING

Group [D07B 7/18](#) is impacted by reclassification into groups [D07B 7/182](#), [D07B 7/185](#), and [D07B 7/187](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 7/182 . . . {for spreading ropes or cables by hand-operated tools for splicing purposes, e.g. needles or spikes}

WARNING

Group [D07B 7/182](#) is incomplete pending reclassification of documents from groups [D07B 7/18](#).

Groups [D07B 7/18](#) and [D07B 7/182](#) should be considered in order to perform a complete search.

- 7/185 . . . {for temporarily untwisting ropes or cables into constituent parts for applying a coating}

WARNING

Group [D07B 7/185](#) is incomplete pending reclassification of documents from group [D07B 7/18](#).

Groups [D07B 7/18](#) and [D07B 7/185](#) should be considered in order to perform a complete search.

- 7/187 . . . {for forming bulbs in ropes or cables}

WARNING

Group [D07B 7/187](#) is incomplete pending reclassification of documents from group [D07B 7/18](#).

Groups [D07B 7/18](#) and [D07B 7/187](#) should be considered in order to perform a complete search.

9/00 Binding or sealing ends, e.g. to prevent unravelling**2201/00 Ropes or cables**

- 2201/10 . Rope or cable structures
- 2201/1004 . . General structure or appearance
- 2201/1008 . . . Several parallel ropes
- 2201/1012 . . characterised by their internal structure
- 2201/1014 . . . characterised by being laid or braided from several sub-ropes or sub-cables, e.g. hawsers
- 2201/1016 . . . characterised by the use of different strands
- 2201/102 . . . including a core
- 2201/1024 . . Structures that change the cross-sectional shape
- 2201/1028 . . characterised by the number of strands
- 2201/1032 . . . three to eight strands respectively forming a single layer
- 2201/1036 . . . nine or more strands respectively forming multiple layers
- 2201/104 . . twisted
- 2201/1044 . . . characterised by a value or range of the pitch parameter given
- 2201/1048 . . . using regular lay, i.e. the wires or filaments being parallel to rope axis
- 2201/1052 . . . using lang lay, i.e. the wires or filaments being inclined relative to the rope axis
- 2201/1056 . . . using alternate lay, i.e. the wires or filaments in the strands being oppositely inclined relative to the rope axis
- 2201/106 . . . Pitch changing over length
- 2201/1064 . . . characterised by lay direction of the strand compared to the lay direction of the wires in the strand
- 2201/1068 having the same lay direction
- 2201/1072 . . . Compact winding, i.e. S/S or Z/Z
- 2201/1076 . . . Open winding
- 2201/108 Cylinder winding, i.e. S/Z or Z/S
- 2201/1084 Different twist pitch
- 2201/1088 . . false twisted
- 2201/1092 . . Parallel strands
- 2201/1096 . . braided
- 2201/20 . Rope or cable components
- 2201/2001 . . Wires or filaments

- 2201/2002 . . . characterised by their cross-sectional shape
- 2201/2003 flat
- 2201/2004 triangular
- 2201/2005 oval
- 2201/2006 . . . characterised by a value or range of the dimension given
- 2201/2007 . . . characterised by their longitudinal shape
- 2201/2008 wavy or undulated
- 2201/2009 . . . characterised by the materials used
- 2201/201 . . . characterised by a coating
- 2201/2011 comprising metals
- 2201/2012 comprising polymers
- 2201/2013 comprising multiple layers
- 2201/2014 . . . Compound wires or compound filaments
- 2201/2015 . . Strands
- 2201/2016 . . . characterised by their cross-sectional shape
- 2201/2017 triangular
- 2201/2018 oval
- 2201/2019 . . . pressed to shape
- 2201/202 . . . characterised by a value or range of the dimension given
- 2201/2021 . . . characterised by their longitudinal shape
- 2201/2022 . . . coreless
- 2201/2023 . . . with core
- 2201/2024 . . . twisted
- 2201/2025 characterised by a value or range of the pitch parameter given
- 2201/2026 Pitch changing over length
- 2201/2027 Compact winding
- 2201/2028 having the same lay direction and lay pitch
- 2201/2029 Open winding
- 2201/203 Cylinder winding, i.e. S/Z or Z/S
- 2201/2031 Different twist pitch
- 2201/2032 compared with the core
- 2201/2033 . . . Parallel wires
- 2201/2034 . . . comprising crossing wires or filaments in the same layer
- 2201/2035 . . . false twisted
- 2201/2036 . . . characterised by the use of different wires or filaments
- 2201/2037 regarding the dimension of the wires or filaments
- 2201/2038 . . . characterised by the number of wires or filaments
- 2201/2039 three to eight wires or filaments respectively forming a single layer
- 2201/204 nine or more wires or filaments respectively forming multiple layers
- 2201/2041 . . . characterised by the materials used
- 2201/2042 . . . characterised by a coating
- 2201/2043 comprising metals
- 2201/2044 comprising polymers
- 2201/2045 comprising multiple layers
- 2201/2046 . . . comprising fillers
- 2201/2047 . . Cores
- 2201/2048 . . . characterised by their cross-sectional shape
- 2201/2049 having protrusions extending radially functioning as spacer between strands or wires
- 2201/2051 . . . characterised by a value or range of the dimension given
- 2201/2052 . . . characterised by their structure

2201/2053	. . . . being homogeneous	2205/2014	. . . High performance polyolefins, e.g. Dyneema or Spectra
2201/2054	. . . . comprising foam material	2205/2017	. . Polystyrenes
2201/2055	. . . . comprising filaments or fibers	2205/2021	. . Polyvinyl halides
2201/2056	. . . . arranged parallel to the axis	2205/2025	. . Polyvinyl acetates
2201/2057	. . . . resulting in a twisted structure	2205/2028	. . Polyvinyl alcohols
2201/2058	. . . . comprising fillers	2205/2032	. . Polyacrylics
2201/2059	. . . . comprising wires	2205/2035	. . Polyacetals
2201/206	. . . . arranged parallel to the axis	2205/2039	. . Polyesters
2201/2061	. . . . resulting in a twisted structure	2205/2042	. . High performance polyesters, e.g. Vectran
2201/2062	. . . . comprising fillers	2205/2046	. . Polyamides, e.g. nylons
2201/2063	. . . . being hollow	2205/205	. . . . Aramides
2201/2064	. . . . being discontinuous in the longitudinal direction	2205/2053	. . . . Polybenzimidazol [PBI]
2201/2065	. . . . comprising a coating	2205/2057	. . Phenol resins
2201/2066	. . . characterised by the materials used	2205/206	. . Epoxy resins
2201/2067	. . . characterised by the elongation or tension behaviour	2205/2064	. . Polyurethane resins
2201/2068	. . . . having a load bearing function	2205/2067	. . Viscose or regenerated cellulose, e.g. Rayon
2201/2069	. . . . being elastic	2205/2071	. . Fluor resins
2201/207	. . . . being viscous	2205/2075	. . Rubbers, i.e. elastomers
2201/2071	. . Spacers	2205/2078	. . . being of natural origin
2201/2072	. . . characterised by the materials used	2205/2082	. . . being of synthetic nature, e.g. chloroprene
2201/2073	. . . in circumferencial direction	2205/2085	. . having particular high polymer characteristics
2201/2074	. . . in radial direction	2205/2089	. . . showing heat contraction
2201/2075	. . Fillers	2205/2092	. . . related to water solubility
2201/2076	. . . having a lubricant function	2205/2096	. . Poly-p-phenylenebenzo-bisoxazole [PBO]
2201/2077	. . . having an anti-corrosive function	2205/30	. Inorganic materials
2201/2078	. . . having a load bearing function	2205/3003	. . Glass
2201/2079	. . . characterised by the kind or amount of filling	2205/3007	. . Carbon
2201/208	. . . . having an open structure	2205/301	. . Ceramics
2201/2081	. . . . having maximum filling	2205/3014	. . Asbestos
2201/2082	. . . characterised by the materials used	2205/3017	. . Silicon carbides
2201/2083	. . Jackets or coverings	2205/3021	. . Metals
2201/2084	. . . characterised by their shape	2205/3025	. . . Steel
2201/2085	. . . . concerning the internal shape	2205/3028	. . . . Stainless steel
2201/2086	. . . . concerning the external shape	2205/3032	. . . . Austenite
2201/2087	. . . being of the coated type	2205/3035	. . . . Pearlite
2201/2088	. . . having multiple layers	2205/3039	. . . . Martensite
2201/2089	. . . comprising wrapped structures	2205/3042	. . . . Ferrite
2201/209	. . . comprising braided structures	2205/3046	. . . . characterised by the carbon content
2201/20903	. . . comprising woven structures	2205/305	. . . . . having a low carbon content, e.g. below 0,5 percent respectively NT wires
2201/20907	. . . comprising knitted structures	2205/3053	. . . . . having a medium carbon content, e.g. greater than 0,5 percent and lower than 0.8 percent respectively HT wires
2201/2091	. . . being movable relative to the internal structure	2205/3057	. . . . . having a high carbon content, e.g. greater than 0,8 percent respectively SHT or UHT wires
2201/2092	. . . characterised by the materials used	2205/306	. . . Aluminium (Al)
2201/2093	. . . . being translucent	2205/3064	. . . Chromium (Cr)
2201/2094	. . . . being luminescent or reflective	2205/3067	. . . Copper (Cu)
2201/2095	. . Auxiliary components, e.g. electric conductors or light guides	2205/3071	. . . Zinc (Zn)
2201/2096	. . . Light guides	2205/3075	. . . Tin (Sn)
2201/2097	. . . Binding wires	2205/3078	. . . Lead (Pb)
2201/2098	. . . . characterized by special properties or the arrangements of the binding wire	2205/3082	. . . Tungsten (W)
2205/00	Rope or cable materials	2205/3085	. . . Alloys, i.e. non ferrous
2205/10	. Natural organic materials	2205/3089	. . . . Brass, i.e. copper (Cu) and zinc (Zn) alloys
2205/103	. . Animal and plant materials	2205/3092	. . . . Zinc (Zn) and tin (Sn) alloys
2205/106	. . . Manila, hemp or sisal	2205/3096	. . . Amorphous metals
2205/20	. Organic high polymers	2205/40	. Superconductive materials
2205/2003	. . Thermoplastics	2205/405	. . Ceramic superconductor
2205/2007	. . Duroplastics	2205/50	. Lubricants
2205/201	. . Polyolefins	2205/502	. . Oils

2205/505	. . Greases	2301/256	. . Pressure
2205/507	. . Solid lubricants	2301/257	. . Force
2207/00	Rope or cable making machines	2301/258	. . Tensile stress
2207/20	. Type of machine	2301/259	. . Strain or elongation
2207/201	. . Manually operated systems	2301/30	. Signals indicating failure or excessive conditions, e.g. overheating
2207/202	. . Double twist unwinding	2301/302	. . Temperature
2207/203	. . . comprising flyer	2301/305	. . Wear or friction
2207/204	. . Double twist winding	2301/307	. . Breakage of wire or strand or rope
2207/205	. . . comprising flyer	2301/35	. System output signals
2207/206	. . . with means for providing less than double twist, e.g. counter rotating means	2301/3508	. . Twist
2207/207	. . Sequential double twisting devices	2301/3516	. . Temperature
2207/208	. . . characterised by at least partially unwinding the twist of the upstream double twisting step	2301/3525	. . . Temperature profile or sequence
2207/209	. . Tubular strander	2301/3533	. . Amount of material
2207/40	. Machine components	2301/3541	. . Power consumption of drive
2207/4004	. . Unwinding devices	2301/355	. . Pressure
2207/4009	. . . over the head	2301/3558	. . Force
2207/4013	. . . comprising flyer	2301/3566	. . Tensile stress
2207/4018	. . Rope twisting devices	2301/3575	. . Strain or elongation
2207/4022	. . . characterised by twisting die specifics	2301/3583	. . Rotational speed
2207/4027	. . . including a coating die	2301/3591	. . Linear speed
2207/4031	. . Winding device	2301/40	. Feedback signal in closed loop controls
2207/4036	. . . comprising traversing means	2301/4008	. . Twist
2207/404	. . Heat treating devices; Corresponding methods	2301/4016	. . Temperature
2207/4045	. . . to change the crystal structure of the load bearing material	2301/4025	. . . Temperature profile or sequence
2207/405	. . . to heat towards the glass transition temperature of the load bearing material	2301/4033	. . Amount of material
2207/4054	. . . to soften the load bearing material	2301/4041	. . Power consumption of drive
2207/4059	. . . to soften the filler material	2301/405	. . Pressure
2207/4063	. . . for stress relief	2301/4058	. . Force
2207/4068	. . . for curing	2301/4066	. . Tensile stress
2207/4072	. . Means for mechanically reducing serpentineing or mechanically killing of rope	2301/4075	. . Strain or elongation
2207/4077	. . Safety devices	2301/4083	. . Rotational speed
2207/4081	. . . comprising means for stopping or shutting down the machine	2301/4091	. . Linear speed
2207/4086	. . . providing warnings	2301/45	. for diagnosing (signals indicating failure or excessive conditions D07B 2301/30)
2207/409	. . Drives	2301/50	. User Interface or value setting
2207/4095	. . . Control means therefor	2301/55	. Sensors
2301/00	Controls	2301/5504	. . characterised by their arrangement
2301/10	. Open loop	2301/5509	. . . being movable
2301/15	. Closed loop	2301/5513	. . . being of the reflective type
2301/155	. . being of the extended closed loop control system type, e.g. using models or more than one signal in the feedback loop	2301/5518	. . . . Transducers therefor
2301/20	. Controller types	2301/5522	. . . being of the barrier type
2301/201	. . proportional	2301/5527	. . . comprising an array or multiple sensors
2301/202	. . integrative	2301/5531	. . using electric means or elements
2301/204	. . differential	2301/5536	. . . for measuring electrical current
2301/205	. . Programmable controllers; Calculating or controlling methods	2301/554	. . . for measuring variable resistance
2301/207	. . . Fuzzy logic	2301/5545	. . . and piezoelectric phenomena
2301/208	. . . using timing functions	2301/555	. . . for measuring magnetic properties
2301/25	. System input signals, e.g. set points	2301/5554	. . . for measuring capacitance
2301/251	. . Twist	2301/5559	. . . for measuring inductance
2301/252	. . Temperature	2301/5563	. . . for measuring temperature, i.e. thermocouples
2301/253	. . . Temperature profile or sequence	2301/5568	. . . acoustic or ultrasonic
2301/254	. . Amount of material	2301/5572	. . . optical
2301/255	. . Power consumption of drive	2301/5577	. . . using light guides
		2301/5581	. . . using cameras
		2301/5586	. . . using lasers
		2301/559	. . . for pressure
		2301/5595	. . . for force
		2401/00	Aspects related to the problem to be solved or advantage
		2401/20	. related to ropes or cables

- 2401/2005 . . Elongation or elasticity
- 2401/201 . . . regarding structural elongation
- 2401/2015 . . Killing or avoiding twist
- 2401/202 . . Environmental resistance
- 2401/2025 . . . avoiding corrosion
- 2401/203 . . . Low temperature resistance
- 2401/2035 . . . High temperature resistance
- 2401/204 . . . Moisture handling
- 2401/2045 . . Avoiding longitudinal load for covering
- 2401/205 . . Avoiding relative movement of components
- 2401/2055 . . Improving load capacity
- 2401/206 . . Improving radial flexibility
- 2401/2065 . . Reducing wear
- 2401/207 . . . internally
- 2401/2075 . . . externally
- 2401/208 . . Enabling filler penetration
- 2401/2085 . . Adjusting or controlling final twist
- 2401/209 . . . comprising compensation of rope twist in strand twist
- 2401/2095 . . Improving filler wetting respectively or filler adhesion
- 2401/40 . . related to rope making machines
- 2401/401 . . Reducing wear
- 2401/403 . . Reducing vibrations
- 2401/405 . . Addressing space constraints
- 2401/406 . . Increasing speed
- 2401/408 . . Increasing rope length, e.g. on drum

2501/00 Application field

- 2501/20 . . related to ropes or cables
- 2501/2007 . . Elevators
- 2501/2015 . . Construction industries
- 2501/2023 . . . Concrete enforcements
- 2501/203 . . . Bridges
- 2501/2038 . . Agriculture, forestry and fishery
- 2501/2046 . . Tire cords
- 2501/2053 . . . for wheel rim attachment
- 2501/2061 . . Ship moorings
- 2501/2069 . . Climbing or tents
- 2501/2076 . . Power transmissions
- 2501/2084 . . Mechanical controls, e.g. door lashes
- 2501/2092 . . Evacuation lines or lifelines
- 2501/40 . . related to rope or cable making machines
- 2501/403 . . for making belts
- 2501/406 . . for making electrically conductive cables

2801/00 Linked indexing codes associated with indexing codes or classes of [D07B](#) (not used)

NOTE

The following indexing codes are applied as linked indexing codes associated to other indexing codes or classes of [D07B](#), with the following restrictions:

- [D07B 2801/10](#), [D07B 2801/14](#) -[D07B 2801/22](#) are only to be used as linked indexing codes with [D07B 2205/00](#) and lower hierarchy
- [D07B 2801/12](#) and [D07B 2801/24](#) are only to be used as linked indexing codes with [D07B 2205/00](#) and lower hierarchy or [D07B 2201/2047](#) and lower hierarchy
- [D07B 2801/60](#) and [D07B 2801/62](#) are only to be used as linked indexing codes with [D07B 2207/404](#) and lower hierarchy

- [D07B 2801/90](#) is only used as linked indexing code with any class or indexing code of [D07B](#) and defines that the classified feature belongs to the general knowledge.

- 2801/10 . . Smallest filamentary entity of a rope or strand, i.e. wire, filament, fiber or yarn
- 2801/12 . . Strand
- 2801/14 . . Core
- 2801/16 . . Filler
- 2801/18 . . Coating
- 2801/20 . . Spacer
- 2801/22 . . Jacket or covering
- 2801/24 . . Rope
- 2801/60 . . Method
- 2801/62 . . Device
- 2801/90 . . General knowledge