Symbol	Typ	Titel
H	**Sektion**	**SECTION H — ELECTRICITY**
H01	**Klasse**	**BASIC ELECTRIC ELEMENTS**
H01B	**Unterklasse**	**CABLES; CONDUCTORS; INSULATORS; SELECTION OF MATERIALS FOR THEIR CONDUCTIVE, INSULATING, OR DIELECTRIC PROPERTIES (selection for magnetic properties H01F 1/00; waveguides H01P; installation of cables or lines, or of combined optical and electric, cables or lines H02G)**
H01B 1/00	**Hauptgruppe**	**Conductors or conductive bodies characterised by the conductive materials; Selection of materials as conductors (superconductive or hyperconductive conductors, cables, or transmission lines characterised by the materials H01B 12/00; resistors H01C; details of devices using superconductivity or hyperconductivity, characterised by the material H01L 39/12) [4]**
H01B 1/02	1-Punkt Untergruppe	. mainly consisting of metals or alloys
H01B 1/04	1-Punkt Untergruppe	. mainly consisting of carbon-silicon compounds, carbon, or silicon
H01B 1/06	1-Punkt Untergruppe	. mainly consisting of other non-metallic substances
H01B 1/08	2-Punkt Untergruppe	. . oxides
H01B 1/10	2-Punkt Untergruppe	. . sulfides
H01B 1/12	2-Punkt Untergruppe	. . organic substances [3]
H01B 1/14	1-Punkt Untergruppe	. Conductive material dispersed in non-conductive inorganic material [3]
H01B 1/16	2-Punkt Untergruppe	. . the conductive material comprising metals or alloys [3]
H01B 1/18	2-Punkt Untergruppe	. . the conductive material comprising carbon-silicon compounds, carbon, or silicon [3]
H01B 1/20	1-Punkt Untergruppe	. Conductive material dispersed in non-conductive organic material [3]
H01B 1/22	2-Punkt Untergruppe	. . the conductive material comprising metals or alloys [3]
H01B 1/24	2-Punkt Untergruppe	. . the conductive material comprising carbon-silicon compounds, carbon, or silicon [3]
H01B 3/00	**Hauptgruppe**	**Insulators or insulating bodies characterised by the insulating materials; Selection of materials for their insulating or dielectric properties (selection of piezo-electric or electrostrictive materials H01L 41/00)**
H01B 3/02	1-Punkt Untergruppe	. mainly consisting of inorganic substances
H01B 3/04	2-Punkt Untergruppe	. . mica
H01B 3/06	2-Punkt Untergruppe	. . asbestos
H01B 3/08	2-Punkt Untergruppe	. . quartz; glass; glass wool; slag wool; vitreous enamels
H01B 3/10	2-Punkt Untergruppe	. . metallic oxides (ceramics H01B 3/12)
H01B 3/12	2-Punkt Untergruppe	. . ceramics
H01B 3/14	2-Punkt Untergruppe	. . cements
H01B 3/16	2-Punkt Untergruppe	. . gases
H01B 3/18	1-Punkt Untergruppe	. mainly consisting of organic substances
H01B 3/20	2-Punkt Untergruppe	. . liquids, e.g. oils (silicone oils H01B 3/46)
H01B 3/22	3-Punkt Untergruppe	. . . hydrocarbons

Symbol	Typ	Titel
H01B 3/24	3-Punkt Untergruppe	. . . containing halogen in the molecules, e.g. halogenated oils
H01B 3/26	2-Punkt Untergruppe	. . asphalts; bitumens; pitches
H01B 3/28	2-Punkt Untergruppe	. . natural or synthetic rubbers
H01B 3/30	2-Punkt Untergruppe	. . plastics; resins; waxes
H01B 3/32	3-Punkt Untergruppe	. . . natural resins
H01B 3/34	3-Punkt Untergruppe	. . . waxes (silicone waxes H01B 3/46)
H01B 3/36	3-Punkt Untergruppe	. . . condensation products of phenols with aldehydes or ketones
H01B 3/38	3-Punkt Untergruppe	. . . condensation products of aldehydes with amines or amides
H01B 3/40	3-Punkt Untergruppe	. . . epoxy resins
H01B 3/42	3-Punkt Untergruppe	. . . polyesters; polyethers; polyacetals
H01B 3/44	3-Punkt Untergruppe	. . . vinyl resins; acrylic resins (silicones H01B 3/46)
H01B 3/46	3-Punkt Untergruppe	. . . silicones
H01B 3/47	*3-Punkt Untergruppe*	*. . . fibre-reinforced plastics, e.g. glass-reinforced plastics [2006.01]*
H01B 3/48	*2-Punkt Untergruppe*	*. . fibrous materials (fibre-reinforced plastics H01B 3/47) [1, 2006.01]*
H01B 3/50	3-Punkt Untergruppe	. . . fabric
H01B 3/52	3-Punkt Untergruppe	. . . wood; paper; pressboard (insulating paper per seD21H 27/12)
H01B 3/54	3-Punkt Untergruppe	. . . hard paper; hard fabrics
H01B 3/56	2-Punkt Untergruppe	. . gases
H01B 5/00	**Hauptgruppe**	**Non-insulated conductors or conductive bodies characterised by their form**
H01B 5/02	1-Punkt Untergruppe	. Single bars, rods, wires or strips; Bus-bars (aspects of connection with their counterparts H01R 25/00; bus-bar layouts H02B 1/20; installations of bus-bars H02G 5/00) [1, 7]
H01B 5/04	2-Punkt Untergruppe	. . wound or coiled
H01B 5/06	1-Punkt Untergruppe	. Single tubes
H01B 5/08	1-Punkt Untergruppe	. Several wires or the like stranded in the form of a rope
H01B 5/10	2-Punkt Untergruppe	. . stranded around a space, insulating material, or dissimilar conducting material
H01B 5/12	1-Punkt Untergruppe	. Braided wires or the like
H01B 5/14	1-Punkt Untergruppe	. comprising conductive layers or films on insulating-supports (insulating-layers or insulating-films on metal bodies H01B 17/62)
H01B 5/16	1-Punkt Untergruppe	. comprising conductive material in insulating or poorly conductive material, e.g. conductive rubber (H01B 1/14, H01B 1/20 take precedence; insulating bodies with conductive admixtures H01B 17/64; conductive paints C09D 5/24) [3]
H01B 7/00	**Hauptgruppe**	**Insulated conductors or cables characterised by their form**
H01B 7/02	1-Punkt Untergruppe	. Disposition of insulation (materials H01B 3/00; insulators H01B 17/00)
H01B 7/04	1-Punkt Untergruppe	. Flexible cables, conductors, or cords, e.g. trailing cables

Symbol	Typ	Titel
H01B 7/06	1-Punkt Untergruppe	. Extensible conductors or cables, e.g. self-coiling cords (arrangements for storing and repeatedly paying-out and re-storing lengths of conductors or cables B65H 75/34)
H01B 7/08	1-Punkt Untergruppe	. Flat or ribbon cables
H01B 7/10	1-Punkt Untergruppe	. Contact cables, i.e. having conductors which may be brought into contact by distortion of the cable
H01B 7/12	1-Punkt Untergruppe	. Floating cables (installations of cables supported on or from floats H02G 9/12)
H01B 7/14	1-Punkt Untergruppe	. Submarine cables
H01B 7/16	1-Punkt Untergruppe	. Rigid-tube cables (heating elements of similar construction H05B)
H01B 7/17	1-Punkt Untergruppe	. Protection against damage caused by external factors, e.g. sheaths or armouring (power cables with screens H01B 9/02; communication cables with screens H01B 11/06; installation of conduits H02G) [7]
H01B 7/18	2-Punkt Untergruppe	. . by wear, mechanical force or pressure [1, 7]
H01B 7/20	3-Punkt Untergruppe	. . . Metal tubes, e.g. lead sheaths [1, 7]
H01B 7/22	3-Punkt Untergruppe	. . . Metal wires or tapes, e.g. made of steel [1, 7]
H01B 7/24	3-Punkt Untergruppe	. . . Devices affording localised protection against mechanical force or pressure [1, 7]
H01B 7/26	3-Punkt Untergruppe	. . . Reduction of losses in sheaths or armouring [1, 7]
H01B 7/28	2-Punkt Untergruppe	. . by moisture, corrosion, chemical attack or weather [1, 7]
H01B 7/282	3-Punkt Untergruppe	. . . Preventing penetration of fluid into conductor or cable (insulators or insulating bodies with surfaces specially treated for preserving insulating properties, e.g. for protection against moisture, dirt, or the like, H01B 17/50) [7]
H01B 7/285	4-Punkt Untergruppe	. . . . by completely or partially filling interstices in the cable [7]
H01B 7/288	5-Punkt Untergruppe	. . . . . using hygroscopic material or material swelling in the presence of liquid [7]
H01B 7/29	2-Punkt Untergruppe	. . by extremes of temperature or by flame (H01B 7/42 takes precedence) [7]
H01B 7/295	3-Punkt Untergruppe	. . . using material resistant to flame [7]
H01B 7/30	1-Punkt Untergruppe	. with arrangements for reducing conductor losses when carrying ac, e.g. due to skin effect
H01B 7/32	1-Punkt Untergruppe	. with arrangements for indicating defects, e.g. breaks, leaks (locating defects by measuring G01)
H01B 7/36	1-Punkt Untergruppe	. with distinguishing or length marks
H01B 7/38	1-Punkt Untergruppe	. with arrangements for facilitating removal of insulation [7]
H01B 7/40	1-Punkt Untergruppe	. with arrangements for facilitating mounting or securing [7]
H01B 7/42	1-Punkt Untergruppe	. with arrangements for heat dissipation or conduction (insulators or insulating bodies having heating or cooling devices H01B 17/54) [7]
H01B 9/00	**Hauptgruppe**	**Power cables**
H01B 9/02	1-Punkt Untergruppe	. with screens or conductive layers, e.g. for avoiding large potential gradients
H01B 9/04	1-Punkt Untergruppe	. Concentric cables
H01B 9/06	1-Punkt Untergruppe	. Gas-pressure cables; Oil-pressure cables; Cables for use in conduits under fluid pressure
H01B 11/00	**Hauptgruppe**	**Communication cables or conductors (waveguides H01P)**
H01B 11/02	1-Punkt Untergruppe	. Cables with twisted pairs or quads (transposing, crossing, or twisting at joints H04B; balancing of earth capacitance H04B)

Symbol	Typ	Titel
H01B 11/04	2-Punkt Untergruppe	. . with pairs or quads mutually positioned to reduce cross-talk (balancing by making use of additional capacitors or coils H04B)
H01B 11/06	2-Punkt Untergruppe	. . with means for reducing effects of electromagnetic or electrostatic disturbances, e.g. screen (screening in general H05K 9/00)
H01B 11/08	3-Punkt Untergruppe	. . . Screens specially adapted for reducing cross-talk
H01B 11/10	3-Punkt Untergruppe	. . . Screens specially adapted for reducing interference from external sources
H01B 11/12	2-Punkt Untergruppe	. . Arrangements for exhibiting specific transmission characteristics (loading coils per seH01F 17/08; coil-loaded circuits H04B)
H01B 11/14	3-Punkt Untergruppe	. . . Continuously inductively loaded cables, e.g. Krarup cables
H01B 11/16	3-Punkt Untergruppe	. . . Cables, e.g. submarine cable, with coils or other devices incorporated during cable manufacture (junction boxes for cables H02G 15/10)
H01B 11/18	1-Punkt Untergruppe	. Coaxial cables; Analogous cables having more than one inner conductor within a common outer conductor (suitable for handling frequencies considerably beyond the audio range H01P 3/06)
H01B 11/20	2-Punkt Untergruppe	. . Cables having a multiplicity of coaxial lines [3]
H01B 11/22	1-Punkt Untergruppe	. Cables including at least one electrical conductor together with optical fibres [4]
H01B 12/00	**Hauptgruppe**	**Superconductive or hyperconductive conductors, cables, or transmission lines (superconductors characterised by the ceramic-forming technique or the ceramic composition C04B 35/00; details or devices using superconductivity or hyperconductivity characterised by the material H01L 39/12) [2, 4]**
H01B 12/02	1-Punkt Untergruppe	. characterised by their form [4]
H01B 12/04	2-Punkt Untergruppe	. . Single wire [4]
H01B 12/06	2-Punkt Untergruppe	. . Films or wires on bases or cores [4]
H01B 12/08	2-Punkt Untergruppe	. . Stranded or braided wires [4]
H01B 12/10	2-Punkt Untergruppe	. . Multi-filaments embedded in normal conductors [4]
H01B 12/12	2-Punkt Untergruppe	. . Hollow conductors [4]
H01B 12/14	1-Punkt Untergruppe	. characterised by the disposition of thermal insulation [4]
H01B 12/16	1-Punkt Untergruppe	. characterised by cooling [4]
H01B 13/00	**Hauptgruppe**	**Apparatus or processes specially adapted for manufacturing conductors or cables**
H01B 13/004	1-Punkt Untergruppe	. for manufacturing rigid-tube cables [7]
H01B 13/008	1-Punkt Untergruppe	. for manufacturing extensible conductors or cables [7]
H01B 13/012	1-Punkt Untergruppe	. for manufacturing wire harnesses [7]
H01B 13/016	1-Punkt Untergruppe	. for manufacturing co-axial cables (applying discontinuous insulation H01B 13/20) [7]
H01B 13/02	1-Punkt Untergruppe	. Stranding-up (stranding-up ropes D07B)
H01B 13/04	2-Punkt Untergruppe	. . Mutually-positioning pairs or quads to reduce cross-talk
H01B 13/06	1-Punkt Untergruppe	. Insulating conductors or cables (H01B 13/32 takes precedence) [4]
H01B 13/08	2-Punkt Untergruppe	. . by winding

Symbol	Typ	Titel
H01B 13/10	2-Punkt Untergruppe	. . by longitudinal lapping
H01B 13/12	2-Punkt Untergruppe	. . by applying loose fibres
H01B 13/14	2-Punkt Untergruppe	. . by extrusion
H01B 13/16	2-Punkt Untergruppe	. . by passing through, or dipping in, a liquid bath; by spraying
H01B 13/18	2-Punkt Untergruppe	. . Applying discontinuous insulation, e.g. discs, beads
H01B 13/20	3-Punkt Untergruppe	. . . for concentric or coaxial cables
H01B 13/22	1-Punkt Untergruppe	. Sheathing; Armouring; Screening; Applying other protective layers (H01B 13/32 takes precedence) [4]
H01B 13/24	2-Punkt Untergruppe	. . by extrusion
H01B 13/26	2-Punkt Untergruppe	. . by winding, braiding, or longitudinal lapping (winding in general B65H)
H01B 13/28	1-Punkt Untergruppe	. Applying continuous inductive loading, e.g. Krarup loading
H01B 13/30	1-Punkt Untergruppe	. Drying (in general F26B); Impregnating (H01B 13/32 takes precedence) [4]
H01B 13/32	1-Punkt Untergruppe	. Filling or coating with impervious material (for cable installations H02G 15/00) [4]
H01B 13/34	1-Punkt Untergruppe	. for marking conductors or cables [7]
H01B 15/00	**Hauptgruppe**	**Apparatus or processes for salvaging material from cables (insulated conductors or cables with arrangements for facilitating removal of insulation H01B 7/38; methods or apparatus specially adapted for removing insulation from conductors H02G 1/12)**
H01B 17/00	**Hauptgruppe**	**Insulators or insulating bodies characterised by their form (section insulators for electric traction B60M 1/18; insulating rail-joints E01B 11/54)**
H01B 17/02	1-Punkt Untergruppe	. Suspension insulators; Strain insulators
H01B 17/04	2-Punkt Untergruppe	. . Chains; Multiple chains
H01B 17/06	2-Punkt Untergruppe	. . Fastening of insulator to support, to conductor, or to adjoining insulator
H01B 17/08	3-Punkt Untergruppe	. . . by cap-and-bolt
H01B 17/10	3-Punkt Untergruppe	. . . by intermediate link
H01B 17/12	2-Punkt Untergruppe	. . Special features of strain insulators (devices for relieving mechanical tension of electric lines or cables H02G 7/04)
H01B 17/14	1-Punkt Untergruppe	. Supporting insulators (pin insulators H01B 17/20; apertured insulators H01B 17/24)
H01B 17/16	2-Punkt Untergruppe	. . Fastening of insulators to support, to conductor, or to adjoining insulator
H01B 17/18	2-Punkt Untergruppe	. . for very heavy conductors, e.g. bus-bars, rails
H01B 17/20	1-Punkt Untergruppe	. Pin insulators
H01B 17/22	2-Punkt Untergruppe	. . Fastening of conductors to insulator
H01B 17/24	1-Punkt Untergruppe	. Insulators apertured for fixing by nail, screw, wire, or bar, e.g. diabolo, bobbin
H01B 17/26	1-Punkt Untergruppe	. Lead-in insulators; Lead-through insulators
H01B 17/28	2-Punkt Untergruppe	. . Capacitor type (capacitors H01G)
H01B 17/30	2-Punkt Untergruppe	. . Sealing (packings in general F16J)
H01B 17/32	1-Punkt Untergruppe	. Single insulators consisting of two or more dissimilar insulating bodies

Symbol	Typ	Titel
H01B 17/34	1-Punkt Untergruppe	. Insulators containing liquid, e.g. oil
H01B 17/36	1-Punkt Untergruppe	. Insulators having evacuated or gas-filled spaces
H01B 17/38	1-Punkt Untergruppe	. Fittings, e.g. caps; Fastenings therefor
H01B 17/40	2-Punkt Untergruppe	. . Cementless fittings
H01B 17/42	1-Punkt Untergruppe	. Means for obtaining improved distribution of voltage (capacitor-type lead-through insulators H01B 17/28); Protection against arc discharges
H01B 17/44	2-Punkt Untergruppe	. . Structural association of insulators with corona rings (corona rings H01T 19/02)
H01B 17/46	2-Punkt Untergruppe	. . Means for providing an external arc-discharge path (spark-gap arresters H01T)
H01B 17/48	2-Punkt Untergruppe	. . over chains or other serially-arranged insulators
H01B 17/50	1-Punkt Untergruppe	. with surfaces specially treated for preserving insulating properties, e.g. for protection against moisture, dirt, or the like
H01B 17/52	1-Punkt Untergruppe	. having cleaning devices (H01B 17/54 takes precedence)
H01B 17/54	1-Punkt Untergruppe	. having heating or cooling devices
H01B 17/56	1-Punkt Untergruppe	. Insulating bodies
H01B 17/58	2-Punkt Untergruppe	. . Tubes, sleeves, beads, or bobbins through which the conductor passes (protective tubings for the installation of lines or cables in buildings H02G 3/04)
H01B 17/60	2-Punkt Untergruppe	. . Composite insulating bodies (cables or conductors H01B 7/00, H01B 9/00; resistors H01C; capacitors H01G)
H01B 17/62	2-Punkt Untergruppe	. . Insulating-layers or insulating-films on metal bodies (conductive layers or films on insulating bodies H01B 5/14)
H01B 17/64	2-Punkt Untergruppe	. . with conductive admixtures, inserts, or layers (conductive bodies comprising conductive material dispersed in insulating material H01B 5/16)
H01B 17/66	2-Punkt Untergruppe	. . Joining insulating bodies together, e.g. by bonding
H01B 19/00	**Hauptgruppe**	**Apparatus or processes specially adapted for manufacturing insulators or insulating bodies**
H01B 19/02	1-Punkt Untergruppe	. Drying (in general F26B); Impregnating
H01B 19/04	1-Punkt Untergruppe	. Treating the surfaces, e.g. applying coatings