

H02G

INSTALLATION OF ELECTRIC CABLES OR LINES, OR OF COMBINED OPTICAL AND ELECTRIC CABLES OR LINES

Definition statement

This place covers:

Installation of communication cables or lines, including those comprising a combination of optical and electrical conductors, or of lightning conductors as well as installation of power cables or lines.

Relationships with other classification places

Installation of purely optical cables is covered by [G02B 6/46](#).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Mechanical structures of optical cables	G02B 6/4401
Insulated conductors or cables with arrangements for facilitating mounting or securing	H01B 7/40
Distribution points incorporating switches	H02B
Guiding telephone cords	H04M 1/15
Cable ducts or mountings for telephone or telegraph exchange installations	H04Q 1/06

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

"electric cable"	includes cables comprising optical conductors, e.g. fibres, in combination with electrical conductors
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H02G 1/00

Methods or apparatus specially adapted for installing, maintaining, repairing or dismantling electric cables or lines

Definition statement

This place covers:

- Installation planning
- Tools for preparing walls, floor and ceilings, e.g. drilling tools
- Templates for positioning electrical boxes
- Laying cables
- Removing insulation from cables
- Joining or terminating cables

H02G 1/02

for overhead lines or cables

Definition statement

This place covers:

- Planning of high voltage electrical networks
- Maintenance and repair of overhead lines
- Apparatus for workers, e.g. robots or carriages travelling along the lines
- Specialized vehicles
- Cleaning of electrical lines

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning of insulators	H01B 17/52
Earthing sticks for live working	H01R 4/64

H02G 1/04

for mounting or stretching

Definition statement

This place covers:

- Ground vehicles or helicopter stringing;
- Methods for stringing;
- Devices temporarily fixed to pole for stringing lines.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Wire stretchers in general	B25B 25/00
Manufacturing or repairing trolley lines	B60M 1/28

H02G 1/06

for laying cables, e.g. laying apparatus on vehicle

Definition statement

This place covers:

The process of laying cables.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Installations of electric cables or lines in or on the ground or water	H02G 9/00
Laying cables combined with trench digging or back-filling machines or dredgers	E02F 5/00

H02G 1/08

through tubing or conduit, e.g. rod or draw wire for pushing or pulling
 {(inserting electrical cables into tubes using wallbores [E21B 17/206](#); for optical cables [G02B 6/4401](#))}

Definition statement

This place covers:

Not only inserting wires into conduits, but also removing wires from conduit where conduit stays intact.

References

Limiting references

This place does not cover:

Inserting cables into tubes using drills	E21B 17/206
Installing optical cables in ducts	G02B 6/50
Apparatus or processes for salvaging material from cables where cables are cut and destroyed	H01B 15/00

H02G 1/12

for removing insulation or armouring from cables, e.g. from the end thereof

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pliers in general	B25B
Cutters in general	B26B
Insulated conductors or cables with arrangements for facilitating removal of insulation	H01B 7/38

H02G 1/1207

{the cutting element not rotating about the wire or cable (making longitudinal and transverse or helical cut [H02G 1/1229](#))}

References**Limiting references**

This place does not cover:

Making a longitudinal and transverse or helical cut	H02G 1/1229
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H02G 1/1221

{the cutting element rotating about the wire or cable (making longitudinal and transverse or helical cut [H02G 1/1229](#))}

References**Limiting references**

This place does not cover:

The cutting element making a longitudinal and a transverse or helical cut	H02G 1/1229
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H02G 1/1251

{the cutting element not rotating about the wire or cable (making longitudinal and transverse or helical cut [H02G 1/1268](#))}

References**Limiting references**

This place does not cover:

The cutting element making a longitudinal and a transverse or helical cut	H02G 1/1268
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H02G 1/1265

{the cutting element rotating about the wire or cable (making longitudinal and transverse or helical cut [H02G 1/1268](#))}

References**Limiting references**

This place does not cover:

Making a longitudinal and transverse or helical cut	H02G 1/1268
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H02G 1/14

for joining or terminating cables

Definition statement

This place covers:

The process of joining (end-to end) or bundling (side-by-side) or terminating cables.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Details of the cable terminations	H02G 15/02
Details of the cable joints	H02G 15/08
Joining electric conductors	H01R 43/00

H02G 3/00

Installations of electric cables or lines or protective tubing therefor in or on buildings, equivalent structures or vehicles (installations of bus-bars [H02G 5/00](#); overhead installations [H02G 7/00](#); installations in or on the ground [H02G 9/00](#))

Definition statement

This place covers:

- Complete wiring of buildings or rooms;
- Pre-wired installation;
- Wirings for modular walls.

References

Limiting references

This place does not cover:

Installations of bus-bars	H02G 5/00
Overhead installations	H02G 7/00
Installations in or on the ground	H02G 9/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Channels or vertical ducts for receiving utility lines on buildings	E04F 17/08
Supports for pipes, cables or protective tubing, specially adapted for supporting the pipes all along their length, e.g. pipe channels or ducts	F16L 3/26
Wiring of electric apparatus in general	H05K

H02G 3/02

Details

Definition statement

This place covers:

Marking or labelling of cable channels

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Labels	G09F 3/00
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H02G 3/04

Protective tubing or conduits, e.g. cable ladders or cable troughs

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Pipes or tubing in general	F16L
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H02G 3/0406

{Details thereof (installation or suspension of conduit channels and other supports [H02G 3/263](#))}

Definition statement

This place covers:

- Manufacture of cable channels
- End pieces
- Dividers inside channels

References

Limiting references

This place does not cover:

Installation or suspension of conduit channels and other supports	H02G 3/263
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H02G 3/0412

{Heat or fire protective means (for fire in electric circuits [A62C 3/16](#))}

Definition statement

This place covers:

- Protection for fire coming from outside or inside.

- Use of intumescent materials

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

For fire in electric circuits	A62C 3/16
For tubing in general	F16L 5/04

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Intumescent	Material expanding in case of fire or heat to fill air gaps
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H02G 3/0418

{Covers or lids; Their fastenings}

Definition statement

This place covers:

Covers or lids only for cable channels, not for electrical boxes, housing or enclosures.

H02G 3/0425

{Plinths (borders for use between floor or ceiling and wall [E04F 19/04](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Borders for use between floor or ceiling and wall	E04F 19/04
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H02G 3/0437

{Channels}

Definition statement

This place covers:

Non circular channels or raceways or wire harness fully enclosing the cables

References

Limiting references

This place does not cover:

Tubings for cables	H02G 3/0462
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Pipe channels or ducts	F16L 3/26
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H02G 3/045

{provided with perforations or slots permitting introduction or exit of wires}

Definition statement

This place covers:

Raceways or conduits or wire harness having side exits for cables, e.g. breakable parts.

H02G 3/0456

{Ladders or other supports}

Definition statement

This place covers:

Open supports for cables or wire harness

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

For pipes or ducts in general	F16L 3/22
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H02G 3/0462

{Tubings, i.e. having a closed section}

Definition statement

This place covers:

Single piece channels

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Pipes placed side by side in contact with each other	F16L 3/23
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H02G 3/0468

{Corrugated}

Definition statement

This place covers:

Tubings having radial undulations

H02G 3/0475**{formed by a succession of articulated units}****References****Limiting references***This place does not cover:*

Between movable parts	H02G 11/00
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H02G 3/0481**{with a circular cross-section ([H02G 3/0468](#), [H02G 3/0475](#) take precedence)}****References****Limiting references***This place does not cover:*

Corrugated tubings	H02G 3/0468
Tubings formed by a succession of articulated units	H02G 3/0475

H02G 3/0487**{with a non-circular cross-section ([H02G 3/0468](#), [H02G 3/0475](#) take precedence)}****References****Limiting references***This place does not cover:*

Corrugated tubings	H02G 3/0468
Tubings formed by a succession of articulated units	H02G 3/0475

H02G 3/0493**{Service poles}****Definition statement***This place covers:*

Vertical ducts

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Medical bed nursing arrangements	A61G 12/00
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H02G 3/06

Joints for connecting lengths of protective tubing {or channels}, to each other or to casings, e.g. to distribution boxes; Ensuring electrical continuity in the joint

Definition statement

This place covers:

Only cylindrical conduits joint

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Connecting general pipes to walls	F16L 5/00
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H02G 3/065

{with means biting into the conductor-insulation, e.g. teeth-like elements or gripping fingers ([H02G 3/0675](#), [H02G 3/0683](#) take precedence)}

References

Limiting references

This place does not cover:

Joints for connecting tubing to casing with bolts operating in a direction parallel to the conductors	H02G 3/0675
Joints for connecting tubing to casing with bolts operating in a direction transverse to the conductors	H02G 3/0683

H02G 3/0658

{with means constricting the conductor-insulation ([H02G 3/065](#), [H02G 3/0675](#), [H02G 3/0683](#) take precedence)}

References

Limiting references

This place does not cover:

Joints for connecting tubing to casing with means biting into the conductor-insulation, e.g. teeth-like elements or gripping fingers	H02G 3/065
Joints for connecting tubing to casing with bolts operating in a direction parallel to the conductors	H02G 3/0675
Joints for connecting tubing to casing with bolts operating in a direction transverse to the conductors	H02G 3/0683

H02G 3/0666

{with means clamping the armour of the conductor ([H02G 3/0675](#), [H02G 3/0683](#) take precedence)}

References**Limiting references**

This place does not cover:

Joins for connecting tubing to casing with bolts operating in a direction parallel to the conductors	H02G 3/0675
Joins for connecting tubing to casing with bolts operating in a direction transverse to the conductors	H02G 3/0683
Electrically connecting said armour	H02G 15/068

H02G 3/0675

{with bolts operating in a direction parallel to the conductors}

References**Limiting references**

This place does not cover:

Corrugated tubings	H02G 3/0691
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H02G 3/0683

{with bolts operating in a direction transverse to the conductors}

References**Limiting references**

This place does not cover:

Corrugated tubings	H02G 3/0691
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H02G 3/0691

{Fixing tubing to casing by auxiliary means co-operating with indentations of the tubing, e.g. with tubing-convolutions}

Definition statement

This place covers:

Connection of corrugated tubings

H02G 3/08

Distribution boxes; Connection or junction boxes

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cable terminations	H02G 15/02
Electrical connections	H01R 13/00

H02G 3/081

{Bases, casings or covers}

Definition statement

This place covers:

Constructional details of boxes, housings and enclosures

H02G 3/083

{Inlets}

Definition statement

This place covers:

Cable entry into electrical box, housings and enclosures

Through holes or openings

Grommets

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Cable fitting	cable entry
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H02G 3/085

{including knock-out or tear-out sections}

Definition statement

This place covers:

The cable entry is closed before use by a removable part

H02G 3/086**{Assembled boxes}****Definition statement***This place covers:*

Connection of two boxes, housings and enclosures or part of boxes in order to increase inner volume

H02G 3/088**{Dustproof, splashproof, drip-proof, waterproof, or flameproof casings or inlets}****Definition statement***This place covers:*

- Fire or heat protection of boxes, housings and enclosures
- Sound protection
- Water ingress protection, e.g. with rubber joint
- Evacuation of water from inside of box, housings and enclosures

H02G 3/105**{in association with a plinth, channel, raceway or similar}****Definition statement***This place covers:*

Mounting of boxes, housings and enclosures on raceway or at a distance of raceway

H02G 3/12**for flush mounting****Definition statement***This place covers:*

Boxes, housings and enclosures mounted inside walls

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Pre establishment of boxes in concrete	E04G 15/04 , E04G 15/06
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H02G 3/121**{in plain walls}****Definition statement***This place covers:*

Boxes, housings and enclosures are covered by wall material on sides and bottom

H02G 3/123**{in thin walls}****Definition statement***This place covers:*

Boxes, housings and enclosures are inserted and fixed into a hole in dry walls

H02G 3/125**{with supporting bar extending between two separate studs of a wall frame}****Definition statement***This place covers:*

Boxes, housings and enclosures mounted between two studs behind dry wall or ceiling panels

H02G 3/126**{with supporting means for mounting on a single wall stud}****Definition statement***This place covers:*

- Boxes, housings and enclosures mounted on one stud behind dry wall or ceiling panels
- Boxes, housings and enclosures comprising nail or screw passage

H02G 3/128**{in plinths, channels, raceways or similar}****Definition statement***This place covers:*

Flush mounted boxes, housings and enclosures into raceways

H02G 3/16**structurally associated with support for line-connecting terminals within the box****Definition statement***This place covers:*

Provisions inside the boxes, housings and enclosures for cable connecting.

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Terminals	H01R 9/00
Details of coupling devices	H01R 13/00

H02G 3/18**providing line outlets****Definition statement***This place covers:*

Fastening of apparatus into electrical boxes, housings and enclosures

H02G 3/185**{Floor outlets and access cups}****References****Limiting references***This place does not cover:*

Manholes or similar in outside ground	H02G 9/00
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H02G 3/20**Ceiling roses {or other lighting sets}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Wall, ceiling, or floor base for lamps	F21V 21/02
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H02G 3/22**Installations of cables or lines through walls, floors or ceilings, e.g. into buildings****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Devices for use where pipes or cables pass through walls or partitions	F16L 5/00
Lead-in or lead-through insulators	H01B 17/26
Insulating tubes or sleeves	H01B 17/58

H02G 3/24

{Installation of lines or cables on walls, ceilings or floors by means of insulators (insulators [H01B 17/00](#))}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Insulators in general	H01B 17/00
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H02G 3/26

{Installations of cables, lines, or separate protective tubing therefor directly on or in walls, ceilings, or floors (by means of insulators [H02G 3/24](#); supports for pipes, cables or protective tubing [F16L 3/00](#); hose-clips [F16L 33/02](#))}

References

Limiting references

This place does not cover:

Installations of cables by means of insulators	H02G 3/24
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Supports for pipes, cables or protective tubing	F16L 3/00
Hose clips	F16L 33/02

H02G 3/30

Installations of cables or lines on walls, floors or ceilings

Definition statement

This place covers:

Means for fastening cables to walls.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Supports for pipes, cables or protective tubing	F16L 3/00
Hose clips	F16L 33/02

H02G 3/32

using mounting clamps

Definition statement

This place covers:

Clips, anchors, bands directly in contact with cables

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hose clips	F16L 33/02
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H02G 3/34

using separate protective tubing

Definition statement

This place covers:

Mounting of cable conduits

H02G 3/36

Installations of cables or lines in walls, floors or ceilings

Definition statement

This place covers:

Holding means for cables in walls.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Installations of cables or lines through walls, floors or ceilings, e.g. into buildings	H02G 3/22
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H02G 3/385

{in modular floors, e.g. access floors}

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Construction of modular floors	E04F 15/02
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H02G 3/388

{in modular walls, e.g. wall panels}

References

Limiting references

This place does not cover:

Structure of wall panels	E04B 2/7416
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H02G 5/00

Installations of bus-bars

Definition statement

This place covers:

- Installation of flat, laminated or tubular non-insulated busbars, mostly for high current/voltage applications.
- Medium to very high voltage, gas-insulated tubular busbars arranged in a metallic casing.

Relationships with other classification places

- When the focus is on details of the electrical connections between different parts and not so much the installation of the busbars, these documents should be classified instead in [H01R 3/00](#).
- When the subject matter is a supporting insulator for very heavy busbars and not the busbar itself, it should be classified in [H01B 17/18](#) and not in [H02G 5/025](#).
- The subject matter might be double classified in [H02B 1/20](#) or [H02B 1/21](#) when related to the installation in electric cabinets.
- Details involving the busbar casing and means for detecting mechanical or electrical defects are normally also classified in [H02B 13/045](#) and [H02B 13/065](#).

References

Limiting references

This place does not cover:

Installation of cables	H02G 3/00
Cable fittings	H02G 15/00
Power rails for vehicles	B60M 1/30
Electric conductors	H01B

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Power rails for vehicles	B60M 1/30
Lighting systems having parts displaceable along a guiding element, normally a busbar	F21V 21/34

Informative references

Attention is drawn to the following places, which may be of interest for search:

Flat insulated conductors	H01B 7/08
Busbar connections in ac/dc conversion	H02M 7/003
Printed high current conductors	H05K 1/0263
Wiring on insulating boards	H05K 7/08

H02G 5/04

Partially-enclosed installations, e.g. in ducts and adapted for sliding or rolling current collection

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Non-rotary current collectors	H01R 41/00
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H02G 7/00

Overhead installations of electric lines or cables (installations of bus-bars [H02G 5/00](#))

Definition statement

This place covers:

- Installation of field power lines;
- Fastening to masts and poles;
- Warning devices;
- Birds or rodents deterring means.

References**Limiting references**

This place does not cover:

Installations of bus-bars	H02G 5/00
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Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Trolley wires or contact lines for electric railways	B60M
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Fastening conductors to insulators	H01B 17/00 , e.g. H01B 17/06 , H01B 17/16 or H01B 17/22
Protection against abnormal electric conditions	H01H
Hook contacts for temporary connections to overhead lines	H01R 11/14

H02G 7/02**Devices for adjusting or maintaining mechanical tension, e.g. take-up device****Definition statement**

This place covers:

Weight or spring activated means pulling on the cables

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Arrangements for supporting or suspending trolley wires	B60M 1/20
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H02G 7/04**Arrangements or devices for relieving mechanical tension****Definition statement**

This place covers:

Means releasing the cables in case of mechanical overload

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Arrangements for supporting or suspending trolley wires	B60M 1/20
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H02G 7/05**Suspension arrangements or devices for electric cables or lines****Definition statement**

This place covers:

End or middle fastening of cables along poles

References

Limiting references

This place does not cover:

Devices for stringing cables between poles	H02G 1/04
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H02G 7/053

{Suspension clamps and clips for electric overhead lines not suspended to a supporting wire}

Definition statement

This place covers:

Fastening of cables directly between two poles,

H02G 7/056

{Dead-end clamps}

Definition statement

This place covers:

Fastening of cables ends to poles.

H02G 7/06

Suspensions for lines or cables along a separate supporting wire, e.g. S-hook

Definition statement

This place covers:

A separate mechanical wire is used as parallel supporting device

H02G 7/08

Members clamped to the supporting wire or to the line or cable

Definition statement

This place covers:

One side of the supporting means acts as a clamp

H02G 7/10

Flexible members or lashings wrapped around both the supporting wire and the line or cable

Definition statement

This place covers:

Bands or wire loops,

H02G 7/12

Devices for maintaining distance between parallel conductors, e.g. spacer

Definition statement

This place covers:

Rigid devices with a given length are fixed between two lines

H02G 7/125

{Damping spacers}

Definition statement

This place covers:

Device with variable length fixed between two line

H02G 7/14

Arrangements or devices for damping mechanical oscillations of lines, e.g. for reducing production of sound {(damping spacers [H02G 7/125](#))}

Definition statement

This place covers:

Weights or dynamic devices added to lines

References

Limiting references

This place does not cover:

Damping spacers	H02G 7/125
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H02G 7/16

Devices for removing snow or ice from lines or cables

Definition statement

This place covers:

Mechanical or electrical devices, eventually using transported electricity.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for removing snow or ice from insulators	H01B 17/52
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H02G 7/18

Devices affording mechanical protection in the event of breakage of a line or cable, e.g. net for catching broken lines

Definition statement

This place covers:

Device placed under the lines for receiving broken lines

H02G 7/20

Spatial arrangements or dispositions of lines or cables on poles, posts or towers

Definition statement

This place covers:

- Crossarms;
- Spatial disposition of parallel lines.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Details of construction of poles, posts or towers	E04H 12/02
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H02G 9/00

Installations of electric cables or lines in or on the ground or water

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cathodic protection	C23F 13/02
Detection of buried cables	G01V
Installations of optical cables in or on the ground or water	G02B 6/46

H02G 9/02

laid directly in or on the ground, river-bed or sea-bottom; Coverings therefor, e.g. tile

Definition statement

This place covers:

Cables installed in or on the ground without any protection

References

Limiting references

This place does not cover:

The process of laying cables in or on the ground	H02G 1/06
The process of laying cables in or on the sea-bottom	H02G 1/10
Coverings for cables laid in or on the ground	H02G 9/025

H02G 9/06

in underground tubes or conduits; Tubes or conduits therefor

References

Limiting references

This place does not cover:

The process of laying cables in a tube or conduit	H02G 1/08
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H02G 9/10

in cable chambers, e.g. in manhole or in handhole

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Manholes shafts	E02D 29/12
Structures for inspection	E04H 5/06

H02G 9/12

supported on or from floats, e.g. in water

Definition statement

This place covers:

Installations of cables in water.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

The process of laying cables in water	H02G 1/10
Floating cables	H01B 7/12
Submarine cables per se	H01B 7/14

H02G 11/00

Arrangements of electric cables or lines between relatively-movable parts

Definition statement

This place covers:

Transmission of electric energy between relatively-movable parts through flexible conductors.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Tubings for conductors	H02G 3/0462
Supplying energy to the end effector of a robot or similar manipulator	B25J 19/0025
Current collectors for power supply lines of electrically-propelled vehicles	B60L 5/00
Storing means for coiled material specially adapted for repeatedly paying-out and re-storing length of material for particular purposes	B65H 75/34
Current collectors	H01R
Flexible or turnable connectors	H01R 35/00
Collectors for maintaining electrical contact between moving and stationary parts	H01R 41/00
Winding up of telephone cord	H04M 1/15

H02G 11/003

{using gravity-loaded or spring-loaded loop}

Definition statement

This place covers:

Supply cables for gantry crane or similar

H02G 11/006

{using extensible carrier for the cable, e.g. self-coiling spring (extensible conductors or cables [H01B 7/06](#))}

Definition statement

This place covers:

- Chain with articulated elements for supporting a cable
- Cable arrangement in sliding doors

References

Limiting references

This place does not cover:

Extensible conductors or cables	H01B 7/06
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H02G 11/02

using take-up reel or drum

Definition statement

This place covers:

Apparatus where part of the cable is stored on a reel or similar while power is supplied to the apparatus

References

Limiting references

This place does not cover:

Storage of cables on reels where there is no power transfer	B65H 75/00
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H02G 13/00

Installations of lightning conductors; Fastening thereof to supporting structure

Definition statement

This place covers:

- Lightning protection devices;
- Devices modifying air characteristics in order to attract lightning stroke, e.g. radioactive;
- Routing of lightning to ground;
- Measuring electromagnetic field;
- Airplane or wind turbine protection.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Indicating, counting or recording lightning strokes	G01
Lightning arrestors	H01C 7/12 , H01C 8/04 , H01G 9/18 , H01T
Earth plates, pins or other contacts	H01R

H02G 15/00

Cable fittings

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Condenser	Capacitor
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H02G 15/003

{Filling materials, e.g. solid or fluid insulation}

Definition statement

This place covers:

Details of the filling material per se

H02G 15/013

Sealing means for cable inlets (inlets for cables filled with, or surrounded by, gas or oil [H02G 15/32](#))

References

Limiting references

This place does not cover:

Details of the sealing material	H02G 15/003
Inlets for cables filled with, or surrounded by, gas or oil	H02G 15/32

H02G 15/02

Cable terminations (for gas- or oil-filled cables [H02G 15/22](#))

References

Limiting references

This place does not cover:

Terminations for gas- or oil-filled cables	H02G 15/22
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H02G 15/025

{for coaxial cables or hollow conductors (connections between HF conductors [H01P 1/04](#); plug and socket connections per se [H01R 24/38](#))}

References

Limiting references

This place does not cover:

Connections between HF conductors	H01P 1/04
Plug and socket connections per se	H01R 24/38

H02G 15/06

Cable terminating boxes, frames or other structures

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Terminal blocks	H01R 9/00
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H02G 15/068

connected to the cable shield only ([H02G 15/072](#) takes precedence)

References

Limiting references

This place does not cover:

Condenser type devices for relieving electrical stress	H02G 15/072
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H02G 15/08

Cable junctions (for gas or oil filled cables [H02G 15/24](#))

References

Limiting references

This place does not cover:

Cable Junctions for gas or oil-filled cables	H02G 15/24
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Disconnectable junctions or electrical connections	H01R
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H02G 15/085

{for coaxial cables or hollow conductors (plug and socket connections between HF conductors [H01P 1/04](#); plug and socket connections per se [H01R 24/38](#))}

References

Limiting references

This place does not cover:

Connections between HF conductors	H01P 1/04
Plug and socket connections per se	H01R 24/38

H02G 15/10

protected by boxes, e.g. by distribution, connection or junction boxes

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Distribution boxes per se	H02G 3/08
Terminal blocks	H01R 9/00

H02G 15/105

connected to the cable shield only ([H02G 15/107](#) takes precedence)

References

Limiting references

This place does not cover:

Condenser type	H02G 15/107
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H02G 15/18

protected by sleeves, e.g. for communication cable (two-part covers [H02G 15/10](#) {; preforms having internal stresses [B29C 61/00](#)})

References

Limiting references

This place does not cover:

Two-part coverings	H02G 15/113 , H02G 15/115
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Preforms having internal stresses	B29C 61/00
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H02G 15/1806

{Heat shrinkable sleeves (insulation of electrical connections using a heat shrinking insulating sleeve [H01R 4/72](#))}

References

Limiting references

This place does not cover:

Insulation of electrical connectors per se using a heat shrinking insulating sleeve	H01R 4/72
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H02G 15/20

Cable fittings for cables filled with or surrounded by gas or oil ([H02G 15/34](#) takes precedence)

References

Limiting references

This place does not cover:

Cable fittings for cryogenic cables	H02G 15/34
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H02G 15/28

structurally associated with devices for indicating the presence or location of non-electric faults

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Emergency protective circuit arrangements	H02H
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H02G 15/34

Cable fittings for cryogenic cables {(superconductive cables per se [H01B 12/00](#))}

Definition statement

This place covers:

Cable fittings for very low temperature environments including superconducting cable arrangements

References

Limiting references

This place does not cover:

Superconductive cables per se	H01B 12/00
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