

H02G

INSTALLATION OF ELECTRIC CABLES OR LINES, OR OF COMBINED OPTICAL AND ELECTRIC CABLES OR LINES (distribution points incorporating switches [H02B](#); guiding telephone cords [H04M 1/15](#); cable ducts or mountings for telephone or telegraph exchange installations [H04Q 1/06](#))

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.

References

Limiting references

This place does not cover:

Installation of purely optical cables	G02B 6/4401 , G02B 6/46
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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 (wire stretchers in general [B25B 25/00](#))

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 Installation of trolley lines	B25B 25/00 , B60M 1/28
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H02G 1/06

for laying cables, e.g. laying apparatus on vehicle (combined with trench digging or back-filling machines or dredgers [E02F 5/00](#))

Definition statement

This place covers:

The process of laying cables.

References

Limiting references

This place does not cover:

Installations of electric cables or lines in or on the ground or water	H02G 9/00
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Informative references

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

Trench digging or back-filling machines or dredgers	E02F 5/00
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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 6/4463
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
 (pliers in general [B25B](#); cutters in general [B26B](#))

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

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 (joining electric conductors [H01R 43/00](#))

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

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 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](#); channels or vertical ducts for receiving utility lines [E04F 17/08](#); wiring of electric apparatus in general [H05K](#))

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
Channels or vertical ducts for receiving utility lines	E04F 17/08

Informative references

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

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 tubings or conduits {or channels or other supports} (pipes or tubings in general [F16L](#))

References

Informative references

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

Pipes or tubings 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:

Joints for connecting tubing to casing with bolts operating in a direction parallel to the conductors	H02G 3/0675
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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 (cable terminations
[H02G 15/02](#))

References

Limiting references

This place does not cover:

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 (terminals [H01R 9/00](#))****Definition statement***This place covers:*

Provisions inside the boxes, housings and enclosures for cable connecting

References**Limiting references***This place does not cover:*

Details of connectors, e.g. terminals	H01R 9/00 , H01R 13/00
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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

Arrangements for leading cables or lines through walls, floors, or ceilings, e.g. into building (devices for use where pipes, cables or protective tubing pass through walls or partitions [F16L 5/00](#); lead-in or lead-through insulators [H01B 17/26](#); insulating tubes or sleeves [H01B 17/58](#))

References

Informative references

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

Pipes, cables or protective tubing passing through walls	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 (supports for pipes, cables or protective tubing [F16L 3/00](#); hose clips [F16L 33/02](#))

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:

Support 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 ([H02G 3/22](#) takes precedence)

Definition statement

This place covers:

Holding means for cables in walls

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 (non-rotary current collectors [H01R 41/00](#))

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](#); trolley wires or contact lines for electric railways [B60M](#); fastening conductors to insulators [H01B 17/00](#), e.g. [H01B 17/06](#), [H01B 17/16](#), [H01B 17/22](#); protection against abnormal electric conditions [H01H](#); hook contacts for temporary connections to overhead lines [H01R 11/14](#))

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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Informative references

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

Trolley wires or contact lines for electric railways	B60M 1/00
Fastening conductors to insulators	H01B 17/00
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 (from insulators [H01B 17/52](#))

Definition statement

This place covers:

Mechanical or electrical devices, eventually using transported electricity

References

Limiting references

This place does not cover:

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 (construction of poles, posts or towers [E04H 12/22](#))

Definition statement

This place covers:

- Crossarms
- Spacial disposition of parallel lines

References

Limiting references

This place does not cover:

Construction of poles, posts or towers	E04H 12/22
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H02G 9/00

Installations of electric cables or lines in or on the ground or water (cathodic protection [C23F 13/02](#); detection of buried cables [G01V](#))

References

Limiting references

This place does not cover:

Detection of buried cables	G01V
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Informative references

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

Cathodic protection	C23F 13/02
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, in handhole (building aspects of cable chambers Section [E](#), e.g. [E04H 5/06](#))

References**Informative references**

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

Manholes or similar	E02D 29/12
Building aspects of cable chambers	E04H 5/06

H02G 9/12

supported on or from floats, e.g. in water (floating cables [H01B 7/12](#))

Definition statement

This place covers:

Installations of cables in water

References

Limiting references

This place does not cover:

Floating cables per se	H01B 7/12
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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
Submarine cables per se	H01B 7/14

H02G 11/00

Arrangements of electric cables or lines between relatively-movable parts ({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](#) {; winding-up telephone cord [H04M 1/15](#)})

Definition statement

This place covers:

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

References

Limiting references

This place does not cover:

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
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

Informative references

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

Tubings for conductors	H02G 3/0462
Storing means for coiled material specially adapted for repeatedly paying-out and re-storing length of material for particular purposes	B65H 75/34

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 (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](#))****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

Limiting references

This place does not cover:

Lightning arrestors	H01C 7/12 , H01C 8/04 , H01G 9/18 , H01T
Earth plates, pins or other contacts	H01R 4/66

Informative references

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

Indicating, counting or recording lightning strokes	G01
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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 (terminal blocks [H01R 9/00](#))

References**Limiting references**

This place does not cover:

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](#); disconnectible junctions, electrical connections [H01R](#))

References

Limiting references

This place does not cover:

Junctions for gas- or oil-filled cables	H02G 15/24
Disconnectable junctions; Electrical connections per se	H01R

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 (terminal blocks [H01R 9/00](#) {; distribution boxes per se [H02G 3/08](#)})

References

Limiting references

This place does not cover:

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

Informative references

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

Cable junctions protected by sleeves	H02G 15/18
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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 (combined with electric protective means [H02H](#))

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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