

H02G

Installation of electric cables or lines, or of combined optical and electrical cables or lines (distribution points incorporating switches H02B; guiding telephone cords H04M1/15; cable ducts or mountings for telephone or telegraph exchange installations H04Q1/06)

Definition statement

This subclass/group covers:

This subclass 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 relevant to classification in this subclass

This subclass/group does not cover:

This subclass does not cover :

Installation of purely optical cables	G02B 6/4401 , G02B 6/46
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Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

In this subclass, the following expression is 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 subclass/group 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 subclass/group 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

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 subclass/group covers:

- Ground vehicles or Helicopter stringing
- Methods for stringing
- Devices temporarily fixed to pole for stringing lines

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

Definition statement

This subclass/group covers:

The process of laying cables.

References relevant to classification in this group

This subclass/group 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

Definition statement

This subclass/group covers:

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

References relevant to classification in this group

This subclass/group 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

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

[N: the cutting element not rotating about the wire or cable]

References relevant to classification in this group

This subclass/group does not cover:

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

[N: the cutting element rotating about the wire or cable]

References relevant to classification in this group

This subclass/group 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

[N: the cutting element not rotating about the wire or cable]

References relevant to classification in this group

This subclass/group 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

[N: the cutting element rotating about the wire or cable]

References relevant to classification in this group

This subclass/group 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
HYPERLINK "sfpluscla://ECLA/H01R43/00" H01R43/00)

Definition statement

This subclass/group covers:

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

References relevant to classification in this group

This subclass/group does not cover:

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

H02G 3/00

Installations of electric cables or lines in or on buildings, equivalent structures or vehicles (installations of bus-bars H02G5/00; overhead installations H02G7/00; installations in or on the ground H02G9/00; channels or vertical ducts for receiving utility lines E04F17/08; wiring of electric apparatus in general H05K)

Definition statement

This subclass/group covers:

Complete wiring of buildings or rooms

Pre-wired installation

Wirings for modular walls

References relevant to classification in this group

This subclass/group 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 subclass/group covers:

Marking or labelling of cable channels

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 [N: or channels or other supports] (pipes or tubings in general F16L)

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

[N: Details thereof]

Definition statement

This subclass/group covers:

Manufacture of cable channels

End pieces

Dividers inside channels

References relevant to classification in this group

This subclass/group does not cover:

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

[N: Heat or fire protective means]

Definition statement

This subclass/group covers:
Protection for fire coming from outside or inside.

Use of intumescent materials

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 subclass/group, 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

[N: Covers or lids; Their fastenings]

Definition statement

This subclass/group covers:
Covers or lids only for cable channels, not for electrical boxes, housing or enclosures.

H02G 3/0425

[N: Plinths]

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

[N: Channels]

Definition statement

This subclass/group covers:

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

References relevant to classification in this group

This subclass/group 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

[N: provided with perforations or slots permitting introduction or exit of wires]

Definition statement

This subclass/group covers:

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

H02G 3/0456

[N: Ladders or other supports]

Definition statement

This subclass/group covers:
Open supports for cables or wire harness

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

[N: Tubings, i.e. having a closed section]

Definition statement

This subclass/group covers:
Single piece channels

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

[N: Corrugated]

Definition statement

This subclass/group covers:
Tubings having radial undulations

H02G 3/0475

[N: formed by a succession of articulated units]

References relevant to classification in this group

This subclass/group does not cover:

Between movable parts	H02G 11/00
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H02G 3/0481

[N: with a circular cross-section (H02G3/0468, H02G3/0475 take precedence)]

References relevant to classification in this group

This subclass/group does not cover:

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

H02G 3/0487

[N: with a non-circular cross-section (H02G3/0468, H02G3/0475 take precedence)]

References relevant to classification in this group

This subclass/group does not cover:

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

H02G 3/0493

[N: Service poles]

Definition statement

This subclass/group covers:

Vertical ducts

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 [N: or channels], to each other or to casings, e.g. to distribution boxes; Ensuring electrical continuity in the joint

Definition statement

This subclass/group covers:

This group covers :

Only cylindrical conduits joint

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

[N: with means biting into the conductor-insulation, e.g. teeth-like elements or gripping fingers (H02G3/0675, H02G3/0683 take precedence)]

References relevant to classification in this group

This subclass/group 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

[N: with means constricting the conductor-insulation (H02G3/065, H02G3/0675, H02G3/0683 take precedence)]

References relevant to classification in this group

This subclass/group 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

[N: with means clamping the armour of the conductor (H02G3/0675, H02G3/0683 take precedence)]

References relevant to classification in this group

This subclass/group 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
Electrically connecting said armour	H02G 15/068

H02G 3/0675

[N: with bolts operating in a direction parallel to the conductors]

References relevant to classification in this group

This subclass/group does not cover:

Corrugated tubings	H02G 3/0691
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H02G 3/0683

[N: with bolts operating in a direction transverse to the conductors]

References relevant to classification in this group

This subclass/group does not cover:

Corrugated tubings	H02G 3/0691
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H02G 3/0691

[N: Fixing tubing to casing by auxiliary means co-operating with indentations of the tubing, e.g. with tubing-convolutions]

Definition statement

This subclass/group covers:

Connection of corrugated tubings

H02G 3/08

Distribution boxes; Connection or junction boxes (cable terminations [HYPERLINK "sfpluscla://ECLA/H02G15/02" H02G15/02](#))

References relevant to classification in this group

This subclass/group does not cover:

Cable terminationsElectrical connections	H02G 15/02 H01R 13/00
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H02G 3/081

[N: Bases, casings or covers]

Definition statement

This subclass/group covers:

Constructional details of boxes, housings and enclosures

H02G 3/083

[N: Inlets]

Definition statement

This subclass/group covers:

Cable entry into electrical box, housings and enclosures

Through holes or openings

Grommets

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Cable fitting	cable entry
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H02G 3/085

[N: including knock-out or tear-out sections]

Definition statement

This subclass/group covers:

The cable entry is closed before use by a removable part

H02G 3/086

[N: Assembled boxes]

Definition statement

This subclass/group covers:

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

H02G 3/088

[N: Dustproof, splashproof, drip-proof, waterproof, or flameproof casings or inlets]

Definition statement

This subclass/group 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

[N: in association with a plinth, channel, raceway or similar]

Definition statement

This subclass/group covers:

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

H02G 3/12

for flush mounting

Definition statement

This subclass/group covers:

Boxes, housings and enclosures mounted inside walls

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

[N: in plain walls]

Definition statement

This subclass/group covers:

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

H02G 3/123

[N: in thin walls]

Definition statement

This subclass/group covers:

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

H02G 3/125

[N: with supporting bar extending between two separate studs of a wall frame]

Definition statement

This subclass/group covers:

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

H02G 3/126

[N: with supporting means for mounting on a single wall stud]

Definition statement

This subclass/group 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

[N: in plinths, channels, raceways or similar]

Definition statement

This subclass/group 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 subclass/group covers:

Provisions inside the boxes, housings and enclosures for cable connecting

References relevant to classification in this group

This subclass/group 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 subclass/group covers:

Fastening of apparatus into electrical boxes, housings and enclosures

H02G 3/185

[N: Floor outlets and access cups]

References relevant to classification in this group

This subclass/group does not cover:

Manholes or similar in outside ground	H02G 9/00
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H02G 3/20

Ceiling roses [N: or other lighting sets]

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

Informative references

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

Pipes, cables or protective tubing	F16L 5/00
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passing through walls	
Lead-in or lead-through insulators	H01B 17/26
insulating tubes or sleeves	H01B 17/58

H02G 3/24

[N: IPC6] Installation of lines or cables on walls, ceilings or floors by means of insulators

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

[N: IPC6] Installations of cables, lines, or separate protective tubing therefor directly on or in walls, ceilings, or floors

References relevant to classification in this group

This subclass/group 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

Special rules of classification within this group

This group is not used for classification anymore

H02G 3/28

[N: IPC6] Installations of cables, lines, or separate protective tubing therefor in conduits or ducts pre-established in walls, ceilings or floors

Special rules of classification within this group

This group is not used for classification anymore

H02G 3/30

Installations of cables or lines on walls, floors or ceilings

Definition statement

This subclass/group covers:

Means for fastening cables to walls

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 subclass/group covers:

Clips, anchors, bands directly in contact with cables

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 subclass/group covers:
Mounting of cable conduits

H02G 3/36

Installation of cables or lines in walls, floors or ceilings
(H02G3/22 takes precedence)

Definition statement

This subclass/group covers:
Holding means for cables in walls

H02G 3/385

[N: in modular floors, e.g. access floors]

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

[N: in modular walls, e.g. wall panels]

References relevant to classification in this group

This subclass/group does not cover:

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

Installations of bus-bars

Definition statement

This subclass/group 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.

Relationship between large subject matter areas

-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 relevant to classification in this group

This subclass/group does not cover:

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

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

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

Informative references

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

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

H02G 5/04

Partially-enclosed installations, e.g. in ducts and adapted for sliding or rolling current collection (non-rotary current collectors H01R41/00)

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 H02G5/00; trolley wires or contact lines for electric railways B60M; fastening conductors to insulators H01B17/00, e.g. H01B17/06, H01B17/16, H01B17/22; protection against abnormal electric conditions H01H; hook contacts for temporary connections to overhead lines H01R11/14)

Definition statement

This subclass/group covers:

Installation of field power lines

Fastening to masts and poles

Warning devices

Birds or rodents deterring means

References relevant to classification in this group

This subclass/group 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 subclass/group covers:

Weight or spring activated means pulling on the cables

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 subclass/group covers:

Means releasing the cables in case of mechanical overload

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 subclass/group covers:

End or middle fastening of cables along poles

References relevant to classification in this group

This subclass/group does not cover:

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

[N: Suspension clamps and clips for electric overhead lines not suspended to a supporting wire]

Definition statement

This subclass/group covers:

Fastening of cables directly between two poles,

Synonyms and Keywords

H02G 7/056

[N: Dead-end clamps]

Definition statement

This subclass/group 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 subclass/group 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 subclass/group 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 subclass/group covers:
Bands or wire loops,

H02G 7/12

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

Definition statement

This subclass/group covers:
Rigid devices with a given length are fixed between two lines

H02G 7/125

[N: Damping spacers]

Definition statement

This subclass/group 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 [N: (damping spacers H02G7/125)]

Definition statement

This subclass/group covers:

Weights or dynamic devices added to lines

References relevant to classification in this group

This subclass/group 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 subclass/group covers:

Mechanical or electrical devices, eventually using transported electricity

References relevant to classification in this group

This subclass/group 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 subclass/group 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 subclass/group covers:

Crossarms

Spacial disposition of parallel lines

References relevant to classification in this group

This subclass/group 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

References relevant to classification in this group

This subclass/group 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
(cathodic protection C23F13/02; detection of buried cables G01V)

Definition statement

This subclass/group covers:

Cables installed in or on the ground without any protection

References relevant to classification in this group

This subclass/group does not cover:

Coverings for cables laid in or on the ground	H02G 9/025
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

H02G 9/06

in underground tubes or conduits; Tubes or conduits therefor

References relevant to classification in this group

This subclass/group 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

Informative references

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

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

H02G 9/12

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

Definition statement

This subclass/group covers:
Installations of cables in water

References relevant to classification in this group

This subclass/group 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:

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

H02G 11/00

Arrangements of electric cables or lines between relatively-movable parts ([N: storing means for coiled material specially adapted for repeatedly paying-out and re-storing length of material for particular purposes B65H75/34]; current collectors H01R; [N: winding-up telephone cord H04M1/15])

Definition statement

This subclass/group covers:
Transmission of electric energy between relatively-movable parts through flexible conductors

References relevant to classification in this group

This subclass/group does not cover:

Current collectors for power supply lines of electrically-propelled vehicles	B60L 5/00
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Collectors for maintaining electrical contact between moving and stationary parts	H01R 41/00
Winding up of telephone cord	H04M 1/15
Supplying energy to the end effector of a robot or similar manipulator	B25J 19/0025
Flexible or turnable connectors	H01R 35/00

Informative references

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

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

H02G 11/003

[N: using gravity-loaded or spring-loaded loop]

Definition statement

This subclass/group covers:

Supply cables for gantry crane or similar

H02G 11/006

[N: using extensible carrier for the cable, e.g. self-coiling spring]

Definition statement

This subclass/group covers:

Chain with articulated elements for supporting a cable

Cable arrangement in sliding doors

References relevant to classification in this group

This subclass/group 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 subclass/group covers:

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

References relevant to classification in this group

This subclass/group 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 H01C7/12, H01C8/04, H01G9/18, H01T; earth plates, pins or other contacts H01R)

Definition statement

This subclass/group 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 relevant to classification in this group

This subclass/group 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 subclass/group, the following terms (or expressions) are used with the meaning indicated:

Condenser	Capacitor
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H02G 15/003

[N: Filling materials, e.g. solid or fluid insulation]

Definition statement

This subclass/group covers:

Details of the filling material per se

H02G 15/013

Sealing means for cable inlets

References relevant to classification in this group

This subclass/group does not cover:

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

H02G 15/02

Cable terminations

References relevant to classification in this group

This subclass/group does not cover:

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

[N: for coaxial cables or hollow conductors]

References relevant to classification in this group

This subclass/group 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 relevant to classification in this group

This subclass/group does not cover:

Terminal blocks	H01R 9/00
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H02G 15/068

connected to the cable shield only

References relevant to classification in this group

This subclass/group does not cover:

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

Cable junctions

References relevant to classification in this group

This subclass/group does not cover:

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

H02G 15/085

[N: for coaxial cables or hollow conductors]

References relevant to classification in this group

This subclass/group 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 relevant to classification in this group

This subclass/group does not cover:

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

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

References relevant to classification in this group

This subclass/group does not cover:

Condenser type	H02G 15/107
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H02G 15/18

protected by sleeves, e.g. for communication cable

References relevant to classification in this group

This subclass/group 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

[N: Heat shrinkable sleeves]

References relevant to classification in this group

This subclass/group does not cover:

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

Cable fittings for cables filled with or surrounded by gas or oil

References relevant to classification in this group

This subclass/group 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

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

Definition statement

This subclass/group covers:

Cable fittings for very low temperature environments including superconducting cable arrangements

References relevant to classification in this group

This subclass/group does not cover:

Superconductive cables per se	H01B 12/00
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