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4.1 Wire Connectors

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Connectors

HelaCon Plus

HelaCon connectors are used for fast, easy and reliable connection and distribution of cable and conductors in electrical installation applications.

Features and Benefits

- Sophisticated push-in wire connector
- For professional cable connections in electrical installations
- Double spring for easy assembly
- Supports installers in difficult situations like overhead work
- Correct installation can be visually checked through transparent housing
- Different colour codes for easy identification of size
- Separate voltage test entry on front
- Safe application, installation and maintenance



One Step to the Web!



Connectors of the HelaCon Plus family offering multiple sizes and colours.



A huge variety of connectors from 2 to 8 poles is available according to the application. The transparent housings allow a quick and easy checking of the conductor fitting.

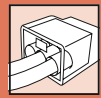
MATERIAL	Polycarbonate (PC)
Max Current	24 A
Max Voltage	450 V
Wire Range (VDE)	0.5 to 2.5 mm ² solid / stranded (max. 7 cores)
Stripping Length	11 mm
Flammability	UL94 V2
Operating Temperature	-30 °C to +105 °C
Specifications	CE, cULus, DEMKO, ENEC, FIMKO, GL, KEMA-KEUR, NEMKO, SEMKO, VDE

HF ✓

RoHS ✓

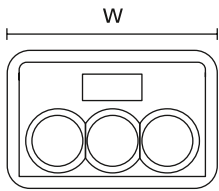
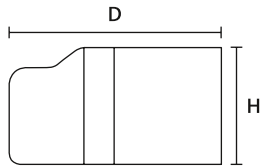


For product specific approvals and specifications please refer to the Appendix.



Connectors

HelaCon Plus

HelaCon Plus wire connector
front view

HelaCon Plus wire connector side view

TYPE	Drawing	Number of Conductors	Colour	Width (W)	Height (H)	Depth (D)	Pack Cont.	Article-No.
HECP-2		2	Transparent (CL), Yellow (YE)	11.8	10.5	19.0	100 pcs.	148-90000
HECP-3		3	Transparent (CL), Orange (OG)	15.9	10.5	19.0	100 pcs.	148-90001
HECP-4		4	Transparent (CL)	20.1	10.5	19.0	75 pcs.	148-90002
HECP-5		5	Transparent (CL), Blue (BU)	24.2	10.5	19.0	50 pcs.	148-90003
HECP-6		6	Transparent (CL), Violet (VT)	28.4	10.5	19.0	50 pcs.	148-90004
HECP-8		8	Transparent (CL), Grey (GY)	36.7	10.5	19.0	40 pcs.	148-90005

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.

For product specific approvals and specifications
please refer to the Appendix.



Connectors

HelaCon Easy

The HelaCon Easy connectors are used for fast, easy and reliable connection, distribution of cable and conductors in the field of electrical installations within junction boxes and control panels.

Features and Benefits

- Fast, easy, reliable push-in wire connectors
- For connection and distribution of conductors in electrical housing
- Use typical range of voltages up to 450 volts
- Variety of input poles for flexible application
- Conductor sizes of: 0.5 up to 1.5 mm² and 1.0 up to 2.5 mm²



The compact design of HelaCon Easy fits perfectly in tight spaces.

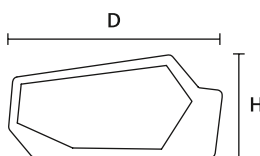


One Step to the Web!

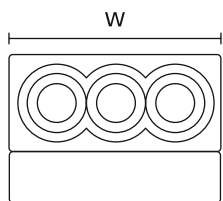
MATERIAL	Polyamide (PA)	
Wire Range (VDE)	0.5 - 1.5 mm ² solid	1.0 - 2.5 mm ² solid
Max Current	17.5 A	24 A
Max Voltage	450 V	
Stripping Length	11 mm	
Flammability	UL94 V2	
Operating Temperature	-30 °C to +110 °C (VDE), -30 °C to +105 °C (cULus)	
Specifications	ENEC, FIMKO, VDE	CEBEC, cULus, ENEC, FIMKO, KEMA-KEUR, VDE

HF ✓

RoHS ✓



HelaCon Easy wire connector
side view



HelaCon Easy wire connector
front view

TYPE	Drawing	Wire Range (VDE) in mm ²	Number of Conductors	Colour	Width (W)	Height (H)	Depth (D)	Pack Cont.	Article-No.
HECE-2		1.0 - 2.5 solid	2	Grey (GY)	10.5	9.5	19.5	100 pcs.	148-90006
HECE-3		1.0 - 2.5 solid	3	Grey (GY)	13.5	9.5	19.7	100 pcs.	148-90035
HECE-4		1.0 - 2.5 solid	4	Grey (GY)	17.2	9.5	19.7	100 pcs.	148-90008

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.



Connectors

HelaCon Easy

TYPE	Drawing	Wire Range (VDE) in mm ²	Number of Conductors	Colour	Width (W)	Height (H)	Depth (D)	Pack Cont.	Article-No.
HECE-5		1.0 - 2.5 solid	5	Grey (GY)	21.1	9.5	19.7	100 pcs.	148-90009
HECE-8		1.0 - 2.5 solid	8	Grey (GY)	17.8	14.5	17.8	50 pcs.	148-90010
HECE-3x1.5		0.5 - 1.5 solid	3	Grey (GY)	11.4	8.8	18.5	100 pcs.	148-90013
HECE-5x1.5		0.5 - 1.5 solid	5	Grey (GY)	17.2	8.8	18.5	100 pcs.	148-90015
HECE-8x1.5		0.5 - 1.5 solid	8	Grey (GY)	26.0	8.8	18.5	75 pcs.	148-90018

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.



Connectors

HelaCon Lux

A typical application is lighting installation, where the solid conductor from concealed cabling has to be connected to a flexible conductor for lighting. The 2/1 variant allows the looping through of the supply lines for additional devices.

The conductor on the output/lighting side can easily be inserted by pressing the locking mechanism and can be released in the same way at any time. The lighting side can carry any kind of conductor and makes HelaCon Lux connectors also useful to connect devices that carry flexible connecting cables like control devices e.g. for blinds, fans and other drives.

Features and Benefits

- Best suitable to connect solid with flexible wire
- Combines push-in connector with lock/unlock spring mechanism
- For fine-stranded conductors at lighting input
- Use with typical voltage current of 450 V / 24 A
- Either one or two inputs for solid conductor on installation side
- Very flexible application
- Tool-free application for easy, time-saving, safe connection
- Especially for overhead work and when wires are difficult to access



Quick installation and release of lighting devices with HelaCon Lux.

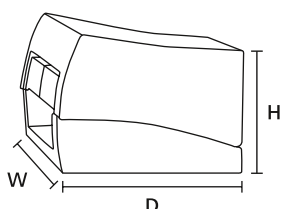
MATERIAL	Polyamide (PA)
Max Current	24 A
Max Voltage	450 V
Wire Range (VDE)	0.5 - 2.5 mm ²
Flammability	UL94 V2
Operating Temperature	-5 °C to +100 °C
Specifications	CEBEC, cULus, ENEC, FIMKO, KEMA-KEUR, VDE



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HelaCon Lux wire connector side view

TYPE	Drawing	Number of Conductors	Colour	Width (W)	Height (H)	Depth (D)	Pack Cont.	Article-No.
HECL-1/1		2	Grey (GY)	8.1	15.8	20.8	100 pcs.	148-90022
HECL-2/1		3	White (WH)	9.5	15.8	20.8	100 pcs.	148-90023

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.



HelaTape. The Tape-Team.

A professional team of electrical and technical tapes for bundling, insulating, fixing, sealing and marking.





Downlight Covers - For Residential Buildings

SpotClip-I

SpotClip-I is a unique product that has been developed for mounting down lights in dry mortarless construction and acoustic construction applications.

The innovative, 4-leg ceiling brace has a number of outstanding features and is suitable for use in both panelling and plasterboard.

SpotClip-I consists of non-flammable, fibre-glass reinforced polyamide and offers a number of thermal and mechanical benefits and can even be installed retrospectively.

As a result, it opens up a variety of possibilities for applications in both old and new buildings.

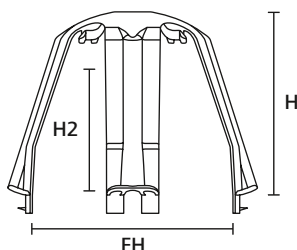
SpotClip-I can be used in ceiling cavities with diameters of 62 to 90 mm.

SpotClip-I ensures that a safe distance is kept between the down light, insulation foil and roof insulation.

It reduces the risk of damage being caused to any insulation material as a result of overheating and heat accumulation and may also have a positive effect on the life time of the lamp.



Application video: SpotClip



SpotClip-I



SpotClip-I installed in a dry mortarless construction with insulation wool.



Optimization of 4 fastening feet.

MATERIAL	Polyamide 6.6, glass-fibre reinforced (PA66GF15%)
Operating Temperature	-20 °C to +120 °C
Flammability	UL94 V0 at 1.5mm thickness, Glow Wire Test (GWT) 960°C

HF ✓

RoHS ✓

TYPE	Hole Ø (FH) min.	Hole Ø (FH) max.	Height (H)	Height (H2)	Colour	Pack Cont.	Article-No.
SpotClip-I	62.0	90.0	82.0	70.0	Black (BK)	10 pcs.	148-00076

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Downlight Covers - For Residential Buildings

SpotClip-I

Features and Benefits

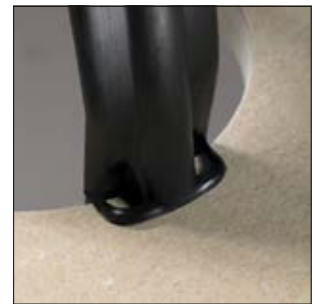
- Mount down lights in dry, mortarless construction and acoustic construction
- Innovative, 4-leg ceiling spacer
- Suitable for both panelling and plasterboard
- Non-flammable, fibre glass-reinforced polyamide
- Thermal and mechanical benefits
- Can be installed after construction, useful for both old and new buildings
- Use in ceiling cavities 62-90 mm in diameter
- Keeps safe distance between down light, insulation foil and roof insulation
- Reduces risk of damage to insulation from overheating, heat accumulation
- Improves life span and reliability of lamps
- Tested according to EN 60598-1, EN 60598-2-2, and NF C 15100



Cable retainers on the heat protection top hold the supply cable in place.



Additional retaining spikes prevent movement during mounting.



Bearing wings ensure that the spacer locates securely on the plasterboard.



1. Squeeze the mounting legs to install SpotClip in the fixing hole.



2. Place SpotClip in the desired position.



3. Push the spikes into the plasterboard to prevent shifting.



4. The downlight can now be safely and securely installed.



Downlight Covers - For Residential Buildings

SpotClip-II

SpotClip-II has been developed for use with large halogen and LED spotlights. Additional, flexible legs allow use with blow-in insulation material. The legs can be easily removed to facilitate cable installation. The downlight cover can be inserted easily into the ceiling cavity and offers valuable savings on installation time. SpotClip creates a reliable gap between the light bulb and the insulation material, reducing the risk of overheating and heat accumulation.



Application video: SpotClip-II



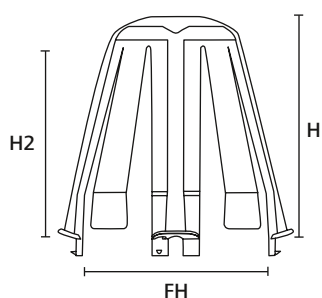
The additional 4 legs on SpotClip-II allow use with blow-in cavity insulation.



SpotClip-II downlight cover with 4 additional flexible legs.



SpotClip-II shown using standard insulation wool.



SpotClip-II

MATERIAL	Polyamide 6.6, glass-fibre reinforced (PA66GF15%)
Operating Temperature	-20 °C to +120 °C
Flammability	UL94 V0 at 1.5mm thickness, Glow Wire Test (GWT) 960°C



TYPE	Hole Ø (FH) min.	Hole Ø (FH) max.	Height (H)	Height (H2)	Colour	Pack Cont.	Article-No.
SpotClip-II	62.0	90.0	107.0	95.0	Black (BK)	10 pcs.	148-00098

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Downlight Covers - For Residential Buildings

SpotClip-II

Features and Benefits

- SpotClip-II has been developed for bulbs up to 95 mm height
- Ensures safety distance between downlight, damp-proof foil and insulation material
- Flexible installation during or after construction
- Additional spikes at the end of the legs prevent SpotClip shifting
- Suitable for fixing into holes from 62 - 90 mm diameter
- Remains rigid even at higher temperatures
- Flame retardant material according to UL94-V0
- Improves life span and reliability of lamps
- Tested according to EN 60598-1, EN 60598-2-2, and NF C 15100



SpotClip-I and SpotClip-II for maximum downlight heights of 70 mm and 95 mm respectively.



Retaining spikes and support wings hold SpotClip-II in the required position.



1. Place SpotClip in the desired position.



2. Push the spikes into the plasterboard to prevent shifting.



3. The downlight can now be safely and securely installed.



Downlight Covers - For Residential Buildings

SpotClip-III

SpotClip-III has been developed to allow the use of an external power supply unit. If the spot light is without external power, the additional straight leg can be easily cut and removed manually. The straight leg helps to prevent contact between insulation and the external power supply unit of the downlight. SpotClip-III fits all standard applications with solid insulation material. It is delivered flat with flexible legs that are locked in place within seconds. The height of the downlight cover is dependent on the fixing hole diameter. SpotClip-III is suitable for spot light diameters from 62 mm to 120 mm and a maximum height of 115 mm.



SpotClip-III for downlight application with external power supply.

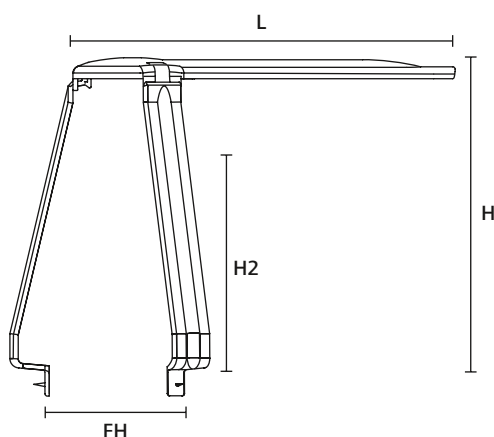


SpotClip-III downlight cover- Easy-to-mount legs with one click folding function.

MATERIAL	Polyamide 6.6, heat stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C
Flammability	UL94 V2, Self extinguishing, Glow Wire Test (GWT) 960°C

HF ✓

RoHS ✓



SpotClip-III

TYPE	Hole Ø (FH) min.	Hole Ø (FH) max.	Height (H)*	Height (H2)*	Length (L)	Colour	Pack Cont.	Article-No.
SpotClip-III	62.0	120.0	130.0	115.0	160.0	Black (BK)	5	148-00121

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.

* For fixing hole diameter 65 mm.

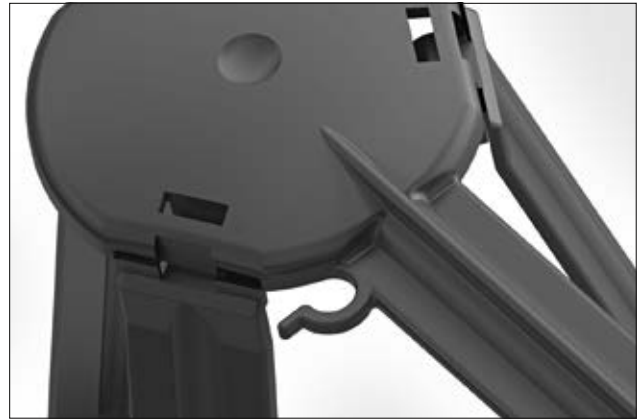


Downlight Covers - For Residential Buildings

SpotClip-III

Features and Benefits

- A mounting support for the external power supply unit provides more space for the downlight installation
- Ensures safety distance between the downlight, damp-proof foil and insulation material
- Flexible installation during or after construction
- Additional spikes at the end of the legs prevent SpotClip shifting
- Prevents damage to insulation material caused by overheating
- Flame retardant material according to UL94-V2
- Improves life span and reliability of lamps
- Faster and easier installation and replacement of lamps
- Tested according to EN 60598-1, EN 60598-2-2, and NF C 15100



One cable retainer to fix the power supply cable at the top.



Click and fix mounting mechanism for the 3 flexible legs.



New leg design combined with retaining spikes for high stability throughout installation.



1. Insert the mounting support through the fixing hole.



2. Press the spikes into the plasterboard to ensure stability of SpotClip-III.



3. Install the downlight.



4. Connect the power supply unit and fix the cable in the cable retainer.



Downlight Covers - For Residential Buildings

SpotClip-Box

SpotClip-Box has been designed especially for passive houses. This innovative downlight cover prevents contact between insulation material and the bulb. The insulation remains continuous, thus avoiding any breach in the integrity of insulation in the passive house. SpotClip-Box is suitable for LED and compact fluorescent-lamp downlights with a diameter of up to 75 mm and a maximum height of 130 mm.

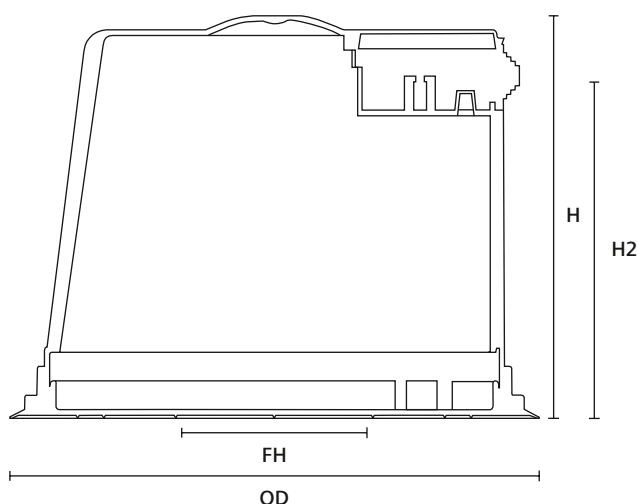
It is available as a complete kit, including HelaCon Lux wire connectors and all necessary mounting components.



SpotClip-Box - Especially designed for passive house applications.



View inside the SpotClip-Box.



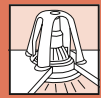
SpotClip-Box

MATERIAL	Polyamide 6.6, heat stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C
Flammability	UL94 V2, Self extinguishing, Glow Wire Test (GWT) 960°C



TYPE	Hole Ø (FH) max.	Height (H)	Height (H2)	Outside Ø (OD)	Colour	Pack Cont.	Article-No.
SpotClip-Box	75.0	140.0	130.0	184.0	Black (BK)	1	148-00122

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Downlight Covers - For Residential Buildings

SpotClip-Box

Features and Benefits

- Suitable for all types of suspended ceilings and a variety of insulation materials
- Ensures safety distance between the downlight, damp-proof foil and insulation material
- Additional spikes at the bottom of the product prevent shifting during installation
- Connection without the need for screws, with HelaCon Lux connectors included
- Prevents damage to insulation material caused by overheating
- Improves life span and reliability of lamps
- Quick and easy one-click installation with bayonet mechanism
- Can also be used to install downlights and speakers in concrete ceilings constructed on-site
- Tested according to EN 60598-1, EN 60598-2-2, and NF C 15100



SpotClip-Box is a downlight cover supplied as a complete kit.



HelaCon Lux connected to the power supply.



Seal the complete SpotClip-box using the end cap and grommet.



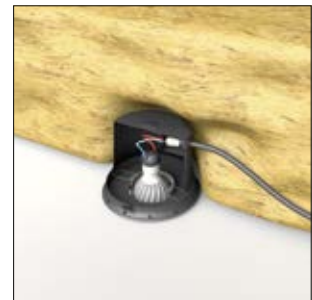
1. Mount the bottom plate over the drilled fixing hole and install the downlight housing.



2. Connect the power supply to the lamp socket with the HelaCon Lux wire connectors included and lock it with the bayonet coupling.



3. Connect the bulb to the socket and lock into the correct position.



4. Insulation material can now be applied.



Downlight Covers - For Industrial Buildings

SpotClip-Kit

SpotClip-Kit has been designed for use primarily in industrial and office buildings for downlights with larger dimensions. The packaging kit consists of three legs and a mounting plate. The legs are available in two different lengths (150 mm and 240 mm). SpotClip-Kit has six selectable fixing positions in the mounting plate, making it suitable for downlights of differing dimensions. SpotClip-Kit 150 is suitable for downlights with a diameter from 100 mm up to 270 mm and with a maximum height of 140 mm. SpotClip-Kit 240 is suitable for downlights with a diameter from 170 mm up to 310 mm and with a maximum height of 230 mm. SpotClip-Kit can be combined with SpotClip-Plate.

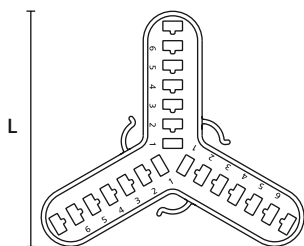


SpotClip-Kit 150 used in a suspended ceiling.

MATERIAL	Polyamide 6.6, heat stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C
Flammability	UL94 V2, Self extinguishing, Glow Wire Test (GWT) 960°C

HF ✓

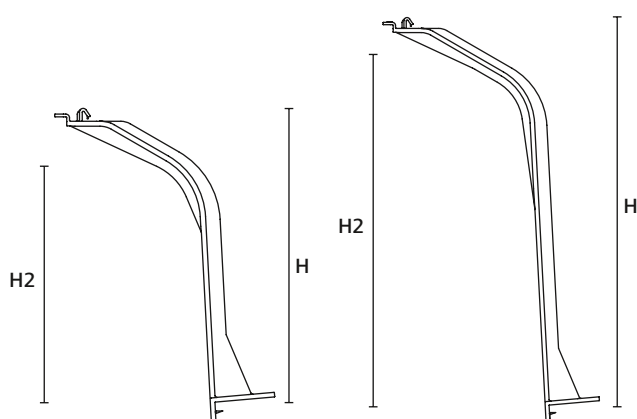
RoHS ✓



SpotClip-Kit mounting plate



SpotClip-Kit 240 applied with a fixed sheet of insulating material.



SpotClip-Kit 150 leg

SpotClip-Kit 240 leg



SpotClip-Kit downlight cover is available in two sizes.

TYPE	Hole Ø (FH) min.	Hole Ø (FH) max.	Height (H)	Height (H2)	Length (L)	Colour	Pack Cont.	Article-No.
SpotClip-Kit 150	100.0	270.0	157.0	140.0	120.0	Black (BK)	1	148-00119
SpotClip-Kit 240	170.0	310.0	247.0	230.0	120.0	Black (BK)	1	148-00120

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.



Downlight Covers - For Industrial Buildings

SpotClip-Kit

Features and Benefits

- Installation from the top or bottom in all types of suspended ceilings
- Ensures safety distance between downlight, damp-proof foil and insulation material
- Flexible installation during or after construction, suitable for use in existing and new buildings
- Additional spikes at the end of the legs prevents shifting during installation
- Intelligent cable routing with eyelet at the top
- Prevents damage to insulation material caused by overheating
- Heavy-duty leg design prevents long-term deformation
- Improves life span and reliability of the lamp
- Tested according to EN 60598-1, EN 60598-2-2, and NF C 15100

SpotClip-Kit 150

Slot	Fixing hole diameter Ø min. – Ø max.
1	100–170
2	120–190
3	140–210
4	160–230
5	180–250
6	200–270

All dimensions in mm. Subject to technical changes.

SpotClip-Kit 240

Slot	Fixing hole diameter Ø min. – Ø max.
1	170–210
2	190–230
3	210–250
4	230–270
5	250–290
6	270–310

All dimensions in mm. Subject to technical changes.



SpotClip-Kit 150 is used for fixing hole diameters from 100 mm to 270 mm.



SpotClip-Kit 240 is used for fixing hole diameters from 170 mm to 310 mm.



The feet position can be very easily adjusted using the click and release system.



A robust design combined with retaining spikes ensures high stability.



SpotClip-Kit 150 is delivered as a self-assembly set.



SpotClip-Kit 240 is delivered as a self-assembly set.



1. Squeeze the legs and insert the SpotClip-Kit through the fixing hole.



2. Press the retaining spikes into the plasterboard to secure the legs.



3. Install the downlight according to the manufacturer's user manual.



4. Connect the downlight to the power supply and fix the cable into the routing eyelet.



Downlight Covers - For Industrial Buildings

SpotClip-Plate

SpotClip-Plate has been developed especially for installation in suspended grid ceilings in order to avoid damage and cracks in the ceiling plates caused by the weight of heavy downlights. The product dimensions of 592 mm x 592 mm mean that it fits perfectly into standard grid ceilings with a width of 600 mm. The pre-cut design makes it suitable for installation of the most commonly used downlights with a diameter from 75 mm to 314 mm.

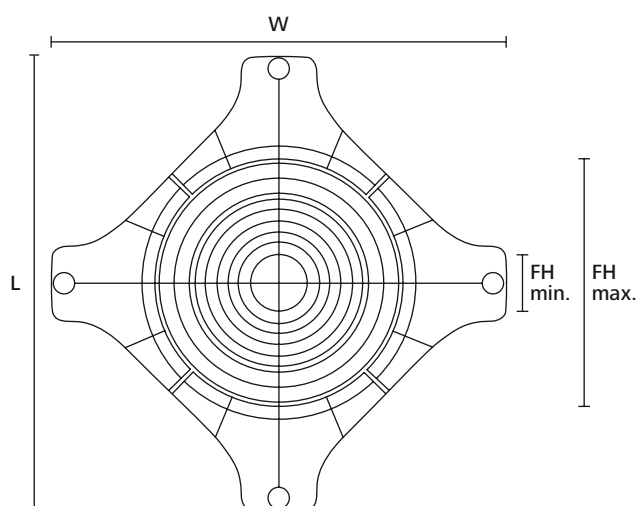
Please check if your grid ceiling size corresponds to the side length of 600 mm. Depending on the manufacturer and country this can vary between 600 mm and 625 mm.



SpotClip-Plate has been developed for applications with heavy downlights in suspended grid ceilings.



SpotClip-Plate fits perfect into standard grid ceilings with a width of 600 mm.



SpotClip-Plate

MATERIAL	Polyamide 6.6, heat stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C
Flammability	UL94 V2, Self extinguishing, Glow Wire Test (GWT) 960 °C

HF ✓

RoHS ✓

TYPE	Hole Ø (FH) min.	Hole Ø (FH) max.	Length (L)	Width (W)	Colour	Pack Cont.	Article-No.
SpotClip-Plate 600	75.0	314.0	592.0	592.0	Black (BK)	10	148-00117

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Downlight Covers - For Industrial Buildings

SpotClip-Plate

Features and Benefits

- SpotClip-Plate distributes the load of the downlight equally across the suspended ceiling construction
- Flexible installation during or after construction, useful for both existing and new buildings
- Remains rigid even at higher temperature
- Flame retardant material according to UL94-V2
- Improves life span and reliability of lamps
- Faster and easier installation and replacement of the lamp
- Tested according to EN 60598-1, EN 60598-2-2, and NF C 15100



SpotClip-Plate comes in 16 pre-cut fixing hole diameter sizes.



Choose the required diameter and cut with a handsaw.



Use the SpotClip-Plate as a stencil to cut the fixing hole into the ceiling plate.



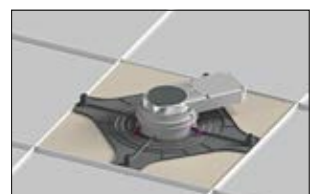
1. Place the SpotClip-Plate in position.



2. Cut the ceiling plate.



3. Insert the downlight through the cutted hole.



4. Mount the downlight.



SpotClip-Plate - Further Accessories

SpotClip-Caps

SpotClip-Plate can be used to ensure the safety distance between the downlight and insulation material. We offer three different solutions to prevent damage to insulation material caused by overheating of the bulb.

1. Place two plates on top of each other and use SpotClip-Tubes between these to achieve the required distance
2. Use SpotClip-Caps and SpotClip-Tubes to achieve the required distance between the plate and insulation material
3. Combine SpotClip-Kit with SpotClip-Plate for a fast solution

Features and Benefits

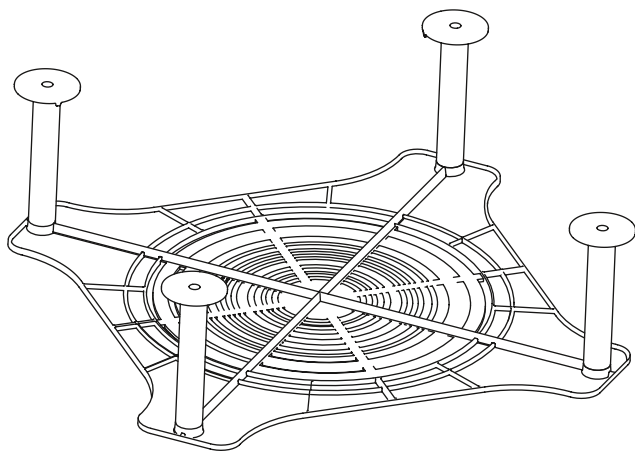
- Different solutions to ensure safety distance between downlight, damp-proof foil and insulation material
- SpotClip-Plate can be combined with SpotClip-Kit, SpotClip-Caps or placed on top of each other with standard SpotClip-Tubes to ensure the required distance
- Prevents damage to insulation material caused by overheating
- Improves life span and reliability of lamps
- Faster and easier installation and replacement of lamps



SpotClip-Plate with insulation material - Plate-to-Plate solution.



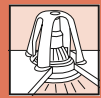
SpotClip-Plate combined with SpotClip-Caps and SpotClip-Tubes.



SpotClip-Plate in combination with SpotClip-Tubes and SpotClip-Caps

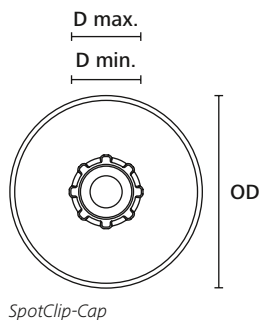


SpotClip-Plate combined with SpotClip-Kit, shown with insulation material.



SpotClip-Plate - Further Accessories

SpotClip-Caps



SpotClip-Caps offered in a pack of 4 pieces.

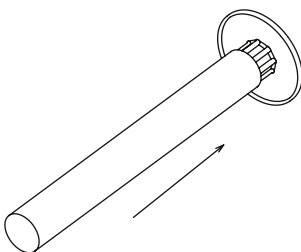
MATERIAL	Polyamide 6.6, heat stabilised (PA66HS)
Operating Temperature	-40 °C to +105 °C
Flammability	UL94 V2, Self extinguishing, Glow Wire Test (GWT) 960°C



TYPE	Outside Ø (OD)	Ø D min.	Ø D max.	Colour	Pack Cont.	Article-No.
SpotClip-Caps 16/25	60.0	16	22	Black (BK)	4	148-00118

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.

SpotClip-Tubes



SpotClip-Cap with 25 mm diameter
SpotClip-Tube



SpotClip-Cap fits into standard 25 mm diameter SpotClip-Tube.

MATERIAL	Flexible Polyvinyl Chloride (PVC)
Operating Temperature	-5 °C to +60 °C



TYPE	Length (L)	Ø D max.	Colour	Pack Cont.	Article-No.
SpotClip-Tubes	200.0	25	Grey (GY)	4	148-00131

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Cable Installation System - Cable Scout⁺

Cable Scout⁺ Rod Sets

Cable Scout⁺ is a professional cable routing tool which enables installers to easily route cables, saving time, even with the most challenging installations. The rods are manufactured from high quality Glass Reinforced Plastic (GRP), which enables a load carrying capacity of up to 200 kg. Cable Scout⁺ offers a range of features which allows the installer to illuminate, grip, inspect and retrieve by using the range of accessories. Cable Scout⁺ is supplied in a useful durable bag which contains the rods and accessories all in one place.

Features and Benefits

- Professional cable installation tool
- Enables time savings to be achieved even with challenging installations
- Rods manufactured from high quality Glass Reinforced Plastic (GRP)
- Load carrying capacity of 200 kg
- Range of accessories enabling the installer to illuminate, grip inspect and retrieve.
- Rods & accessories contained in a useful durable storage bag



Application video: Cable Scout⁺



All components stored neat and tidy with the Cable Scout⁺ Deluxe set.



Basic Set.



Handy Set.

TYPE	Description	Content Rods	Rod Capacity (m)	Content Accessories	Article-No.
CS-SB	Basic Set: designed to perform basic cable installation	10 rods x 1 m (white)	10.0 m	15 cm white flexi lead, gender changer, tuff hook, mini eye	897-90000
CS-SD	Deluxe Set: the most comprehensive set aimed for carrying out larger installations	2 rods x 1 m (white) 6 rods x 1 m (red) 2 rods x 1 m (blue)	10.0 m	15 cm white flexi lead, split ring, gender changer, tuff hook, mini eye, domed bullet, flat bullet, beam, single magnet	897-90001
CS-SH	Handy Set: made up for fitting in a tool box	1 rod x 40 cm (white) 2 rods x 40 cm (red) 1 rod x 40 cm (blue)	1.6 m	40 cm white flexi lead, domed bullet, mini hook, mini eye	897-90003

Subject to technical changes.

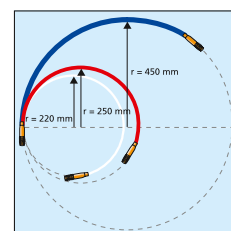
Cable Scout⁺ Rod Pairs



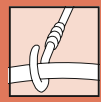
Overview of the rods selection.

TYPE	Content Rods	Flexibility	Ø D	Article-No.
CS-P6	One pair of 1 m blue rods	strong	6.0	897-90007
CS-PN	One pair of 1 m nylon rods	fully flexible	5.0	897-90008
CS-P5	One pair of 1 m red rods	medium	5.0	897-90006
CS-P4	One pair of 1 m white rods	flexible	4.0	897-90005

All dimensions in mm. Subject to technical changes.



Overview on Cable Scout⁺ marginal bending radii.



Cable Installation System - Cable Scout+

Cable Scout+ Accessories

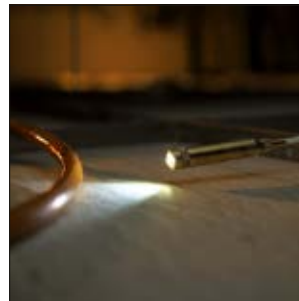
Cable Scout+ is supplied with a range of useful standard accessories. Additional accessories can be purchased separately. Cable Grips are designed to grip objects and provide reliable and time saving method of securing cables & pipes to the rods. Just open the grip by compressing the braid, push the grip over the cable or pipe and release the grip, which will contract and establish a tight grip on the cable or pipe to the rod set.

Features and Benefits

- Accessory kit includes a lot of useful tools
- User can inspect, illuminate and retrieve
- Cable grips allows a very fast way to pull cables
- Whisk glides smoothly over obstacles
- LED Beam brings light into the dark
- Strong magnet lifts metallic tools up to 2.5 kg weight



Cable Grips are available in five different sizes to attach a wide range of cable diameters.



The Cable Scout+ Beam - a perfect tool for seeing into cavities.



The whisk allows the rod to glide over obstructions easily.



The strong magnet lifts a metallic tool of up to 2.5 kg.

TYPE	Drawing	Description	Article-No.
CS-SA		Accessory Kit: Includes a 15 cm long flexi lead, gender changer, mini hook, tuff hook, mini eye, split ring, round bullet, flat bullet, single magnet, chain	897-90004
CS-ACG1630		Cable Grip: Suitable for diameter 1.6 - 3.0 cm	897-90027
CS-ACG0415		Cable grips: Suitable for diameters 0.4 - 1.5 cm	897-90026
CS-AW		Whisk: Enables cables to glide over rough and uneven surfaces.	897-90018
CS-AB		Beam: Useful LED torch enables inspection of working area. Uses 1 x AAA Battery.	897-90016
CS-AMG2		Strong Magnet: Enables positioning or retrieval of items weighing up to 2.5 kg.	897-90015

Subject to technical changes.



HelaTape

HellermannTyton offers a comprehensive range of PVC and rubber tapes for bundling, insulating, fixing, sealing and marking applications around all kinds of electrical applications. PVC-based tapes are designed for low voltage applications and available in a variety of dimensions and colours. Rubber tapes are suitable for sealing and insulating cables and splices in low, medium and very high voltage applications. Cloth tapes are extremely strong and ideal for identification, fixing and repair purposes.

HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 15 - All Purpose Vinyl Insulating Tape

Features and Benefits

- Polyvinyl chloride insulating tape in many different colours
- Used for insulation, protection, fixing, maintenance, colour coding and more
- Good resistance to abrasion, moisture, chemicals, and varying weather conditions
- Highly flexible with good adhesion level
- Harnessing of wires and cables
- Suitable for mechanical and electrical applications up to 600 volts
- Meets IEC 60454-3-1-5/F-PVCP/90 requirements
- Flame retardant



Highly flexible and with good adhesion levels HelaTape Flex 15 can be used in several applications.



One Step to the Web!

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	40 kV/mm
Adhesion to Steel	2.0 N/10 mm
Adhesion to Backing	1.8 N/10 mm
Elongation at break	200 %
Breaking Strength	24 N/10 mm
Operating Temperature	+90 °C

RoHS

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX15-15x10	0.15	15.0	10.0 m	Black (BK)	710-00104
	0.15	15.0	10.0 m	Blue (BU)	710-00100
	0.15	15.0	10.0 m	Brown (BN)	710-00107
	0.15	15.0	10.0 m	Clear (CL)	710-00147
	0.15	15.0	10.0 m	Green (GN)	710-00103
	0.15	15.0	10.0 m	Green-Yellow (GNYE)	710-00106
	0.15	15.0	10.0 m	Grey (GY)	710-00108
	0.15	15.0	10.0 m	Orange (OG)	710-00110
	0.15	15.0	10.0 m	Red (RD)	710-00101
	0.15	15.0	10.0 m	Red (RD), Grey (GY), Yellow (YE), Green (GN), Blue (BU), Orange (OG), White (WH), Brown (BN), Black (BK), Green-Yellow (GNYE)	710-00146
	0.15	15.0	10.0 m	Violet (VT)	710-00109
	0.15	15.0	10.0 m	White (WH)	710-00105
	0.15	15.0	10.0 m	Yellow (YE)	710-00102

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 15 - All Purpose Vinyl Insulating Tape

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX15-19x20	0.15	19.0	20.0 m	Black (BK)	710-00155
	0.15	19.0	20.0 m	Blue (BU)	710-00151
	0.15	19.0	20.0 m	Brown (BN)	710-00158
	0.15	19.0	20.0 m	Green (GN)	710-00154
	0.15	19.0	20.0 m	Green-Yellow (GNYE)	710-00157
	0.15	19.0	20.0 m	Grey (GY)	710-00159
	0.15	19.0	20.0 m	Red (RD)	710-00152
	0.15	19.0	20.0 m	Violet (VT)	710-00160
	0.15	19.0	20.0 m	White (WH)	710-00156
	0.15	19.0	20.0 m	Yellow (YE)	710-00153
HTAPE-FLEX15-25x25	0.15	25.0	25.0 m	Black (BK)	710-00137
	0.15	25.0	25.0 m	Blue (BU)	710-00133
	0.15	25.0	25.0 m	Brown (BN)	710-00140
	0.15	25.0	25.0 m	Green (GN)	710-00136
	0.15	25.0	25.0 m	Green-Yellow (GNYE)	710-00139
	0.15	25.0	25.0 m	Grey (GY)	710-00141
	0.15	25.0	25.0 m	Red (RD)	710-00134
	0.15	25.0	25.0 m	Violet (VT)	710-00142
	0.15	25.0	25.0 m	White (WH)	710-00138
	0.15	25.0	25.0 m	Yellow (YE)	710-00135

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 20 - Insulating Tape for Higher Mechanical Requirements



HelaTape Flex 20 - Additional thickness allows for quicker layering.

Features and Benefits

- Special high level adhesive
- Flame retardant
- Suitable for mechanical and electrical applications up to 600 volts
- Additional thickness for quicker layering and added abrasion resistance

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	45 kV/mm
Adhesion to Steel	4.0 N/10 mm
Adhesion to Backing	3.8 N/10 mm
Elongation at break	220 %
Breaking Strength	38 N/10 mm
Operating Temperature	+105 °C

RoHS ✓

HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 23 - Insulating Tape for Higher Mechanical Requirements



HelaTape Flex 23 for higher mechanical and electrical demands.

Features and Benefits

- Special high level adhesive
- Flame retardant
- Suitable for mechanical and electrical applications up to 600 volts
- Additional thickness for quicker build-up and added abrasion resistance

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	48 kV/mm
Adhesion to Steel	4.0 N/10 mm
Adhesion to Backing	3.8 N/10 mm
Elongation at break	240 %
Breaking Strength	45 N/10 mm
Operating Temperature	+105 °C

RoHS ✓

HelaTape Flex 20 - Insulating Tape for Higher Mechanical Requirements

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX20-19x20	0.20	19.0	20.0 m	Black (BK)	710-00300

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.

HelaTape Flex 23 - Insulating Tape for Higher Mechanical Requirements

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX23-19x33	0.23	19.0	33.0 m	Black (BK)	710-00401
HTAPE-FLEX23-38x33	0.23	38.0	33.0 m	Black (BK)	710-00403

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 40 -

Insulating Tape for Higher Mechanical Demands

Features and Benefits

- Particularly suitable for higher mechanical resistance
- Thickness in total 0.40 mm
- Very good for quicker layer build-up
- Special high level adhesive
- Flame retardant
- Suitable for mechanical and electrical applications up to 600 volts



HelaTape Flex 40 for higher abrasion resistance.

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	35 kV/mm
Adhesion to Steel	4.2 N/10 mm
Adhesion to Backing	4.0 N/10 mm
Elongation at break	280 %
Breaking Strength	86 N/10 mm
Operating Temperature	+105 °C

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX40-50x30	0.40	50.0	30.0 m	Black (BK)	710-00500

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 1000+ Premium Insulating Tape

Features and Benefits

- All-weather, professional grade, self-adhesive vinyl insulating tape
- Excellent performance and durability over wide temperature range from -18°C to +105°C
- Meets IEC 60454-3-1-11/F-PVCP/105 requirements
- Used for insulation, protection, fixing, maintenance, colour coding and more
- Pressure sensitive high quality rubber based adhesive
- Performs continuously at low temperature environment
- Excellent resistance to abrasion, moisture, chemicals, corrosion and UV exposure
- Primary electrical insulation for all wire and cable splices up to 600 volts
- Protective jacketing for low, medium and high voltage splices and repairs
- Harnessing of wires and cables
- For indoor and outdoor applications
- Flame retardant
- RoHS compliant



HelaTape Flex 1000+ provides excellent performance over a wide range of temperatures.

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	45 kV/mm
Adhesion to Steel	2.2 N/10 mm
Adhesion to Backing	2.0 N/10 mm
Elongation at break	280 %
Breaking Strength	30 N/10 mm
Operating Temperature	-18 °C to +105 °C

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX1000+19x6	0.18	19.0	6.0 m	Black (BK)	710-00600
HTAPE-FLEX1000+19x10	0.18	19.0	10.0 m	Black (BK)	710-00601
HTAPE-FLEX1000+19x20	0.18	19.0	20.0 m	Black (BK)	710-00602
	0.18	19.0	20.0 m	Blue (BU)	710-00603
	0.18	19.0	20.0 m	Brown (BN)	710-00609
	0.18	19.0	20.0 m	Green (GN)	710-00606
	0.18	19.0	20.0 m	Grey (GY)	710-00611
	0.18	19.0	20.0 m	Red (RD)	710-00604
	0.18	19.0	20.0 m	White (WH)	710-00607
	0.18	19.0	20.0 m	Yellow (YE)	710-00605
HTAPE-FLEX1000+19x33	0.18	19.0	33.0 m	Black (BK)	710-00612
HTAPE-FLEX1000+50x33	0.18	50.0	33.0 m	Black (BK)	710-00613

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Flex - Vinyl Electrical Tapes

HelaTape Flex 2000+

Premium Insulating Tape for Higher Mechanical Requirements

Features and Benefits

- All-weather, professional grade, self-adhesive vinyl insulating tape with higher thickness for more mechanical and electrical protection
- Pressure sensitive and aggressive high quality rubber based adhesive
- Performs continuously at low temperature environment
- Excellent resistance to abrasion, moisture, chemicals, corrosion and UV exposure
- Primary electrical insulation for all wire and cable splices up to 600 volts



As primary insulation for splices up to 600 volts, HelaTape Flex 2000+ is the best choice.

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	48 kV/mm
Adhesion to Steel	2.2 N/10 mm
Adhesion to Backing	2.0 N/10 mm
Elongation at break	300 %
Breaking Strength	35 N/10 mm
Operating Temperature	-18 °C to +105 °C

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX2000+19x6	0.21	19.0	6.0 m	Black (BK)	710-00700
HTAPE-FLEX2000+19x20	0.21	19.0	20.0 m	Black (BK)	710-00701
HTAPE-FLEX2000+25x33	0.21	25.0	33.0 m	Black (BK)	710-00702
HTAPE-FLEX2000+38x33	0.21	38.0	33.0 m	Black (BK)	710-00703

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Wrap - Vinyl Tapes

HelaTape Wrap 25 - Vinyl Tape for Corrosion Protection

Features and Benefits

- Special adhesive
- Excellent protection against corrosion
- Complete environmental, mechanical and electrical protection
- Highly resistant to UV, water, oil, most chemicals, bacteria and fungus
- Used for pipes, tubes, and conduits in outside and underground applications



HelaTape Wrap 25 can be used for both overhead and direct burial applications.

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	40 kV/mm
Adhesion to Steel	2.4 N/10 mm
Adhesion to Backing	2.0 N/10 mm
Elongation at break	250 %
Breaking Strength	48 N/10 mm
Operating Temperature	+105 °C

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-WRAP25-25x30	0.25	25.0	30.0 m	Black (BK)	710-00800
HTAPE-WRAP25-38x30	0.25	38.0	30.0 m	Black (BK)	710-00801
HTAPE-WRAP25-50x30	0.25	50.0	30.0 m	Black (BK)	710-00802
HTAPE-WRAP25-100x30	0.25	100.0	30.0 m	Black (BK)	710-00803

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Shield - Conductive Tapes

HelaTape Shield 310 -

Self-amalgamating, Conductive Tape for Shielding



HelaTape Shield 310 self-amalgamating conducting tape for shielding high-voltage splices and terminations.

Features and Benefits

- Self-amalgamating shielding tape made from ethylene propylene rubber
- Electrostatic shielding for high voltage splices and terminations
- Excellent conducting properties
- Prevents corona effect
- Moisture and UV-resistant and easy to apply

MATERIAL	Ethylene Propylene Rubber (EPR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Water Absorption	0.02 %
Tensile Strength	2.0 MPa
Elongation at break	600 %
Volume Resistance	870 Ω cm

HF ✓ RoHS ✓

HelaTape Shield - Conductive Tapes

HelaTape Shield 320 -

Copper Shielding Braid



HelaTape Shield 320 provides good electromagnetic shielding.

Features and Benefits

- Copper shielding braid, tin-plated
- Quick and easy to use due to copper knit-mesh design
- Excellent conformability
- Good electromagnetic properties
- Used for splices and terminations of shielded cables

MATERIAL	Tin Plated copper
Elongation at break	5 %

HF ✓

RoHS ✓

HelaTape Shield 310 - Self-amalgamating, Conductive Tape for Shielding

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-SHIELD310	0.76	19.0	4.6 m	Black (BK)	711-00000
	0.76	38.0	9.1 m	Black (BK)	711-00001

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.

HelaTape Shield 320 - Copper Shielding Braid

TYPE	Width (W)	Length (L)	Colour	Article-No.
HTAPE-SHIELD320	25.0	4.6 m	Natural (NA)	711-00002

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Power - High Temperature Tapes

HelaTape Power 410 - Arc and Fireproofing Tape



HelaTape Power 410 is an unsupported, liner less, elastomeric tape possessing superior arc and flame resistance.

Features and Benefits

- Unsupported, linerless, elastomeric tape
- Superior arc and flame resistance
- For cable protection in all type of applications
- Excellent flexibility and conformability for easy application
- Creates insulating residue when exposed to severe flame conditions
- Water, chemical and UV resistant

MATERIAL	Elastomer (PM)
Tensile Strength	8 MPa
Elongation at break	300 %

RoHS

HelaTape Power - High Temperature Tapes

HelaTape Power 420 - High Temperature Glass Cloth Tape



HelaTape Power 420 is a woven glass fabric tape with a service temperature rating of 130 °C.

Features and Benefits

- Woven glass fabric tape with thermosetting rubber-based adhesive
- High tensile strength
- Excellent tear and abrasion resistance
- Operating temperature rating of 130 °C

MATERIAL	Glass-fibre Cloth (GF-F)
Operating Temperature	+130 °C
Tensile Strength	6.5 MPa
Elongation at break	5 %

HF

RoHS

HelaTape Power 410 - Arc and Fireproofing Tape

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER410	0.76	38.0	6.0 m	Grey (GY)	711-00100

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.

HelaTape Power 420 - High Temperature Glass Cloth Tape

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER420	0.18	19.0	20.0 m	White (WH)	711-00101

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Power - Self-amalgamating Tapes

HelaTape Power 600 -

Self-amalgamating Low Voltage Tape

Features and Benefits

- Self-amalgamating low voltage rubber tape
- Primary insulation at not more than 600 volts
- Easily conforms to irregular shapes and surfaces
- Void-free electrically stable layering
- Compatible with all extruded dielectric cable insulations
- Recommended use in conjunction with HelaTape Flex for outer jacketing



HelaTape Power 600 is a self-amalgamating low-voltage rubber tape.

MATERIAL	Natural Rubber (NR)
Operating Temperature	+80 °C
Intermittent Operating Temperature	+95 °C
Tensile Strength	2.40 MPa
Elongation at break	450 %
Volume Resistance	$10^{13} \Omega \text{ cm}$
Dielectric Strength	25 kV/mm

HF ✓

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER600	0.76	19.0	6.7 m	Black (BK)	711-00200
	0.76	38.0	6.7 m	Black (BK)	711-00201

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Power - Self-amalgamating Tapes

HelaTape Power 650 - Low Voltage Mastic Tape

Features and Benefits

- Self-amalgamating, low voltage insulating compound
- For quick, void-free insulation layering
- Easily moulded by hand to conform to irregular shapes
- Perfect adhesion to metal, all types of cable insulations and jackets
- Excellent thermal stability
- Provides excellent moisture seal
- Resistant to salt water, oil and corrosive chemicals
- Recommended use in conjunction with HelaTape Flex for outer jacketing



HelaTape Power 650 consists of a very thick, self-amalgamating insulating compound.

MATERIAL	Isobutene-Isoprene-Rubber (butyl rubber) (IIR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	130 °C
Water Absorption	0.1 %
Elongation at break	1000 %
Volume Resistance	10 ¹⁴ Ω cm
Dielectric Strength	19.7 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER650	3.20	38.0	1.5 m	Black (BK)	711-00300

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Power - Self-amalgamating Silicone Rubber Tapes

HelaTape Power 800 -

Self-amalgamating High Voltage Silicone Rubber Tape

Features and Benefits

- Self-amalgamating, chemically cross-linked silicone rubber tape
- Triangular cross-section with centre line for precise half-overlapping
- Resistant to creepage and surface erosion
- Fuses into solid mass after application
- Weather, UV and Oil resistant
- No adhesive coating
- Recommended use for high temperature silicone insulated cables



HelaTape Power 800 is a silicone rubber tape with triangular cross-section.

MATERIAL	Silicone (SI)
Operating Temperature	+180 °C
Tensile Strength	3.5 MPa
Elongation at break	400 %
Dielectric Strength	23.5 kV/mm

HF ✓

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER800	0.51	25.0	9.1 m	Grey (GY)	711-00400

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content.



HelaTape Power - Self-amalgamating Tapes

HelaTape Power 810 - Self-amalgamating High Voltage Tape



HelaTape Power 810 enables jacketing splices up to 69 kV.

Features and Benefits

- Self-amalgamating tape for insulating and jacketing splices up to 69 kV
- Halogen-free with outstanding corona, ozone and UV-resistance
- Void-free, electrically stable layering
- Amalgamates quickly
- Protects bus bar components
- Excellent moisture, corrosion and chemical resistance
- Ideal moisture seal for water-proofing applications

MATERIAL	Ethylene Propylene Rubber (EPR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Water Absorption	0.06 %
Tensile Strength	2.50 MPa
Elongation at break	930 %
Volume Resistance	10 ¹⁶ Ω cm
Dielectric Strength	35 kV/mm



HelaTape Power 810 - Self-amalgamating High Voltage Tape

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER810	0.76	19.0	9.1 m	Black (BK)	711-00401

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.

HelaTape Power 820 - Linerless, Self-amalgamating High Voltage Tape

HelaTape Power - Self-amalgamating Tapes

HelaTape Power 820 - Linerless, Self-amalgamating High Voltage Tape



The high-voltage tape HelaTape Power 820 yields a uniform and void-free build-up.

Features and Benefits

- Ethylene rubber-based, high-voltage, linerless, self-bonding tape
- Excellent electrical, chemical and physical properties
- Building stress cones and jacketing of terminations, bus bars and joints
- High thermal conductivity
- Quicker application due to linerless design
- Uniform and void-free layering
- Excellent stretch to conform to the most complex shapes and contours
- Flame retardant and UV resistant
- Compatible with all extruded cable insulations

MATERIAL	Ethylene Propylene Rubber (EPR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Water Absorption	0.06 %
Tensile Strength	3.30 MPa
Elongation at break	900 %
Volume Resistance	10 ¹⁶ Ω cm
Dielectric Strength	35 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER820	0.76	19.0	9.1 m	Black (BK)	711-00402

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



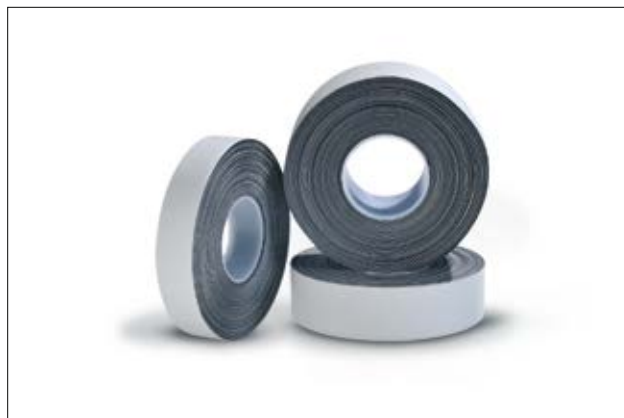
HelaTape Power - Self-amalgamating Tapes

HelaTape Power 900 -

Self-amalgamating Extra High Voltage Tape

Features and Benefits

- Ethylene rubber-based, high-voltage tape
- Superior electrical, chemical, mechanical and thermal properties
- Fuses quickly for void-free, electrically stable layering
- Insulating and jacketing splices on power cables from 600 volts up to 138 kV
- Building stress cones and termination jackets for cables up to 35 kV
- Outstanding corona, ozone, chemical and corrosion resistance
- Withstands UV and cable impregnants



HelaTape Power 900 - For insulating and jacketing splices on power cables from 600 volts up to 138 kV.

MATERIAL	Ethylene Propylene Rubber (EPR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Water Absorption	0.02 %
Tensile Strength	3.5 MPa
Elongation at break	880 %
Volume Resistance	10 ¹⁶ Ω cm
Dielectric Strength	38 kV/mm

HF ✓

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER900	0.51	19.0	9.1 m	Black (BK)	711-00500
	0.51	25.0	9.1 m	Black (BK)	711-00501
	0.51	38.0	9.1 m	Black (BK)	711-00502

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Technical Tapes

HelaTape Tex - Textile Tape

Features and Benefits

- High quality PE-coated cloth tape with good weather resistance
- Total thickness of 0.31 mm for high tensile strength
- Highly tear-resistant in longitudinal direction
- Easy to tear-off by hand in transverse direction
- Matt surface finish for use in stage constructions and for exhibitions to avoid light reflections
- Useful for various applications like bundling, fixing, identification, marking and protection
- HelaTape Tex can be removed without residues due to high quality rubber based adhesive



HelaTape Tex is available in various colours and sizes.

MATERIAL	Cotton (CO)
Adhesion to Backing	3 N/10 mm
Breaking Strength	64 N/10 mm
Elongation at break	10 %
Operating Temperature	-30 °C to +80 °C



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-TEX-12x50	0.31	12.0	50.0 m	Black (BK)	712-00304
	0.31	12.0	50.0 m	Blue (BU)	712-00300
	0.31	12.0	50.0 m	Green (GN)	712-00303
	0.31	12.0	50.0 m	Grey (GY)	712-00306
	0.31	12.0	50.0 m	Red (RD)	712-00301
	0.31	12.0	50.0 m	White (WH)	712-00305
	0.31	12.0	50.0 m	Yellow (YE)	712-00302
HTAPE-TEX-15x25	0.31	15.0	25.0 m	Black (BK)	712-00054
	0.31	15.0	25.0 m	Blue (BU)	712-00050
	0.31	15.0	25.0 m	Green (GN)	712-00053
	0.31	15.0	25.0 m	Grey (GY)	712-00056
	0.31	15.0	25.0 m	Red (RD)	712-00051
	0.31	15.0	25.0 m	White (WH)	712-00055
	0.31	15.0	25.0 m	Yellow (YE)	712-00052
HTAPE-TEX-15x50	0.31	15.0	50.0 m	Black (BK)	712-00404
	0.31	15.0	50.0 m	Blue (BU)	712-00400
	0.31	15.0	50.0 m	Green (GN)	712-00403
	0.31	15.0	50.0 m	Grey (GY)	712-00406
	0.31	15.0	50.0 m	Red (RD)	712-00401
	0.31	15.0	50.0 m	White (WH)	712-00405
	0.31	15.0	50.0 m	Yellow (YE)	712-00402

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



Technical Tapes

HelaTape Tex - Textile Tape

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-TEX-19x25	0.31	19.0	25.0 m	Black (BK)	712-00154
	0.31	19.0	25.0 m	Blue (BU)	712-00150
	0.31	19.0	25.0 m	Green (GN)	712-00153
	0.31	19.0	25.0 m	Grey (GY)	712-00156
	0.31	19.0	25.0 m	Red (RD)	712-00151
	0.31	19.0	25.0 m	White (WH)	712-00155
	0.31	19.0	25.0 m	Yellow (YE)	712-00152
HTAPE-TEX-19x50	0.31	19.0	50.0 m	Black (BK)	712-00504
	0.31	19.0	50.0 m	Blue (BU)	712-00500
	0.31	19.0	50.0 m	Green (GN)	712-00503
	0.31	19.0	50.0 m	Grey (GY)	712-00506
	0.31	19.0	50.0 m	Red (RD)	712-00501
	0.31	19.0	50.0 m	White (WH)	712-00505
	0.31	19.0	50.0 m	Yellow (YE)	712-00502
HTAPE-TEX-25x25	0.31	25.0	25.0 m	Black (BK)	712-00254
	0.31	25.0	25.0 m	Blue (BU)	712-00250
	0.31	25.0	25.0 m	Green (GN)	712-00253
	0.31	25.0	25.0 m	Grey (GY)	712-00256
	0.31	25.0	25.0 m	Red (RD)	712-00251
	0.31	25.0	25.0 m	White (WH)	712-00255
	0.31	25.0	25.0 m	Yellow (YE)	712-00252
HTAPE-TEX-25x50	0.31	25.0	50.0 m	Black (BK)	712-00604
	0.31	25.0	50.0 m	Blue (BU)	712-00600
	0.31	25.0	50.0 m	Green (GN)	712-00603
	0.31	25.0	50.0 m	Grey (GY)	712-00606
	0.31	25.0	50.0 m	Red (RD)	712-00601
	0.31	25.0	50.0 m	White (WH)	712-00605
	0.31	25.0	50.0 m	Yellow (YE)	712-00602
HTAPE-TEX-50x25	0.31	50.0	25.0 m	Black (BK)	712-00354
	0.31	50.0	25.0 m	Blue (BU)	712-00350
	0.31	50.0	25.0 m	Green (GN)	712-00353
	0.31	50.0	25.0 m	Grey (GY)	712-00356
	0.31	50.0	25.0 m	Red (RD)	712-00351
	0.31	50.0	25.0 m	White (WH)	712-00355
	0.31	50.0	25.0 m	Yellow (YE)	712-00352
HTAPE-TEX-50x50	0.31	50.0	50.0 m	Black (BK)	712-00904
	0.31	50.0	50.0 m	Blue (BU)	712-00900
	0.31	50.0	50.0 m	Green (GN)	712-00903
	0.31	50.0	50.0 m	Grey (GY)	712-00906
	0.31	50.0	50.0 m	Red (RD)	712-00901
	0.31	50.0	50.0 m	White (WH)	712-00905
	0.31	50.0	50.0 m	Yellow (YE)	712-00902

All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.