



HelaTape

Technical and electrical tapes for bundling, insulating, fixing, sealing and marking



## **HelaTape –**

Your solution for various electrical applications.





## HelaTape Flex – Vinyl Electrical Tapes

HelaTape Flex is the all-rounder in the vinyl tape portfolio, it shows high tensile strength and good adhesion for mechanical and electrical applications. HelaTape Flex Premium is the professional grade vinyl tape. Its excellent thermal properties allow elastic and flexible processing at low temperatures.

**See page 4.**



## HelaTape Shield – Conductive Tapes

HelaTape Shield 310 is the self-amalgamating conductive tape for shielding high voltage splices and terminations.

HelaTape Shield 320 provides very good electromagnetic shielding.

**See page 11.**



## HelaTape Power – Self-amalgamating Tapes

HelaTape Power 600, 650, 660, 670, 700, 715, 800, 810, 820 and 900 are air- and water-tight, self-amalgamating rubber tapes without glue. They are classified in low, medium and high voltage applications.

**See page 12.**



## HelaTape Tex – Cloth Tapes

These tapes are extremely strong in the longitudinal direction and easy to tear in the transverse direction. The range is ideal for protection, marking, fixing, bundling, patch and repair purposes. HelaTape Tex is weather resistant, water repellent and residue-free to remove – essential in stage constructions and for exhibitions. **See page 23.**



## HelaTape Protect – Wire Harness Tapes

HelaTape Protect tapes are preferably used for cable and wire harnessing. They offer very good heat and media resistance against abrasion. The tapes are stable against rotting and provide excellent ageing resistance.

**See page 24.**





### HelaTape

HellermannTyton offers a comprehensive range of Vinyl, Rubber and Cloth Tapes for bundling, insulating, fixing, sealing and marking applications around all kinds of electrical applications. Vinyl electrical tapes are designed for low voltage applications and available in different dimensions and colours. Rubber tapes are suitable for sealing and insulating cables and splices in low, medium and high voltage applications. HelaTape Cloth tapes are extremely strong and ideal for identification, fixing, bundling and repair purposes. HelaTape Protect is used to build professional cable and wiring harnesses.

### Vinyl Electrical Tapes – Commercial Grade Vinyl Electrical Tape

#### HelaTape Flex 15

#### Features and Benefits

- Vinyl electrical tape in many different colours
- Used for insulation, protection, fixing, maintenance, colour coding and more
- Good resistance to abrasion, sunlight, moisture, chemicals, and varying weather conditions
- Highly flexible with outstanding adhesion performance
- Harnessing of wires and cables
- Suitable for mechanical and electrical applications up to 1 kV
- VDE approved according to IEC 60454-3-1-6/F-PVCP/90
- Flame retardant according to UL 510 Standard



HelaTape Flex 15 is a commercial grade, weather resistant vinyl tape.



One Step to the Web!

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Dielectric Strength</b>	45 kV/mm
<b>Adhesion to Steel</b>	2.2 N/10 mm
<b>Adhesion to Backing</b>	2.0 N/10 mm
<b>Elongation at break</b>	200 %
<b>Breaking Strength</b>	28 N/10 mm
<b>Operating Temperature</b>	-10 °C to +90 °C



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	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	Transparent (CL)	710-00147
	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.



Please note! Not all products listed on this page may have this approval. Please check our website for latest approvals.



### Vinyl Electrical Tapes – Commercial Grade Vinyl Electrical Tape

#### HeLaTape Flex 15

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX15-15x25	0.15	15.0	25.0 m	Black (BK)	710-00115
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-FLEX15-19x25	0.15	19.0	25.0 m	Black (BK)	710-00126
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

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### Vinyl Electrical Tapes – Insulating Tape for Higher Mechanical Requirements

#### HelaTape Flex 20



HelaTape Flex 20 - Additional thickness allows for quicker layering.

#### Features and Benefits

- Vinyl electrical tape with strong rubber adhesive
- Suitable for mechanical and electrical applications up to 1 kV
- Additional thickness for quicker layering and higher abrasion resistance
- Weather resistant
- Flame retardant according to UL 510 Standard

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Dielectric Strength</b>	45 kV/mm
<b>Adhesion to Steel</b>	2.6 N/10 mm
<b>Adhesion to Backing</b>	2.6 N/10 mm
<b>Elongation at break</b>	260 %
<b>Breaking Strength</b>	40 N/10 mm
<b>Operating Temperature</b>	-10 °C to +90 °C

RoHS ✓

### Vinyl Electrical Tapes – Insulating Tape for Higher Mechanical Requirements

#### HelaTape Flex 25



HelaTape Flex 25 for higher abrasion resistance.

#### Features and Benefits

- Vinyl film coated with high quality rubber adhesive
- Extra high material thickness
- Highly resistant to sun, water, oil, acids, alkalies, corrosive chemicals
- Used for insulation, protection, fixing, maintenance and more
- Superior vinyl tape with excellent all-weather performance
- Flame retardant according to UL 510 Standard

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Dielectric Strength</b>	45 kV/mm
<b>Adhesion to Steel</b>	2.6 N/10 mm
<b>Adhesion to Backing</b>	2.6 N/10 mm
<b>Elongation at break</b>	240 %
<b>Breaking Strength</b>	46 N/10 mm
<b>Operating Temperature</b>	-10 °C to +90 °C

RoHS ✓

#### HelaTape Flex 20

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX20-19x20	0.20	19.0	20.0 m	Black (BK)	710-10300

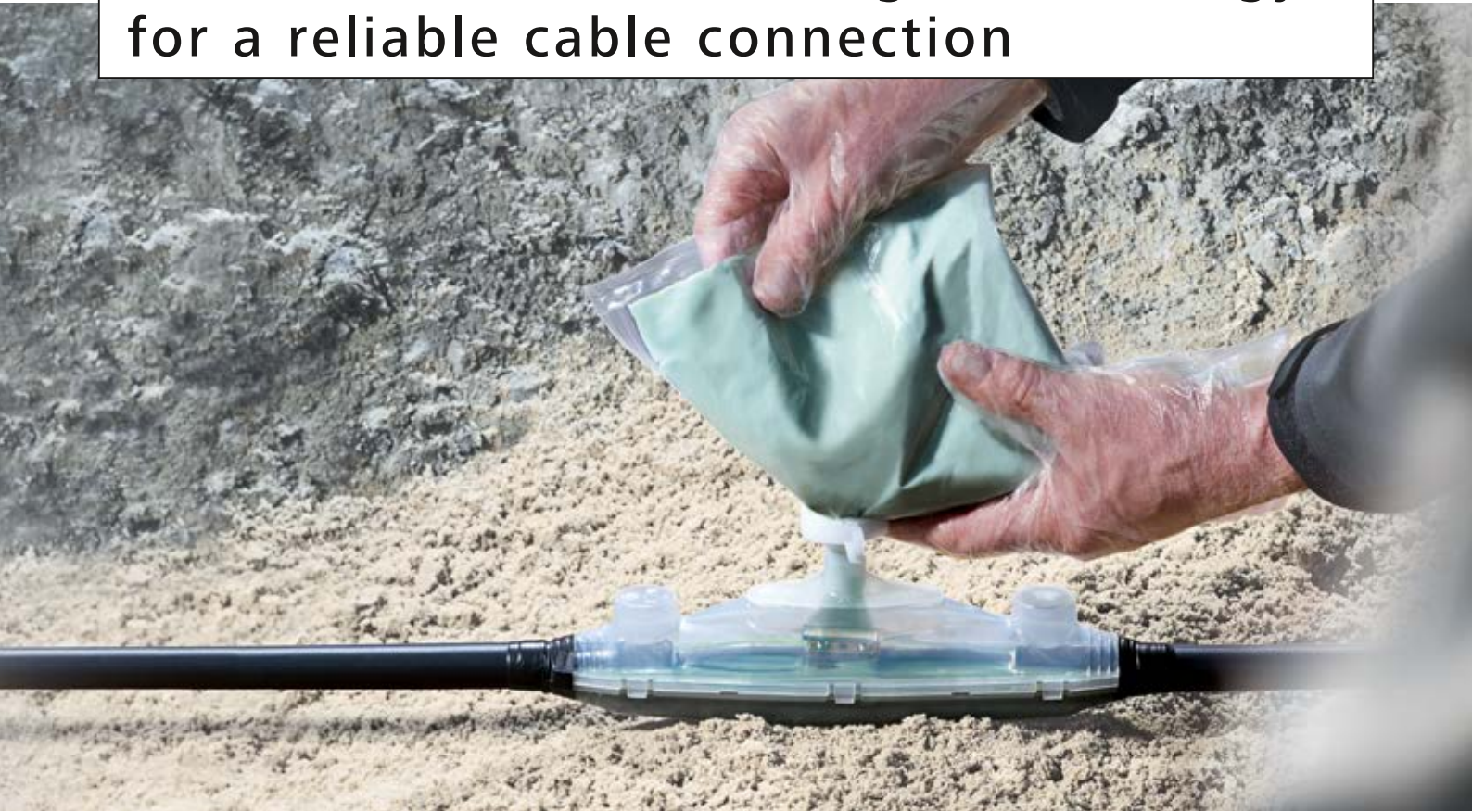
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

#### HelaTape Flex 25

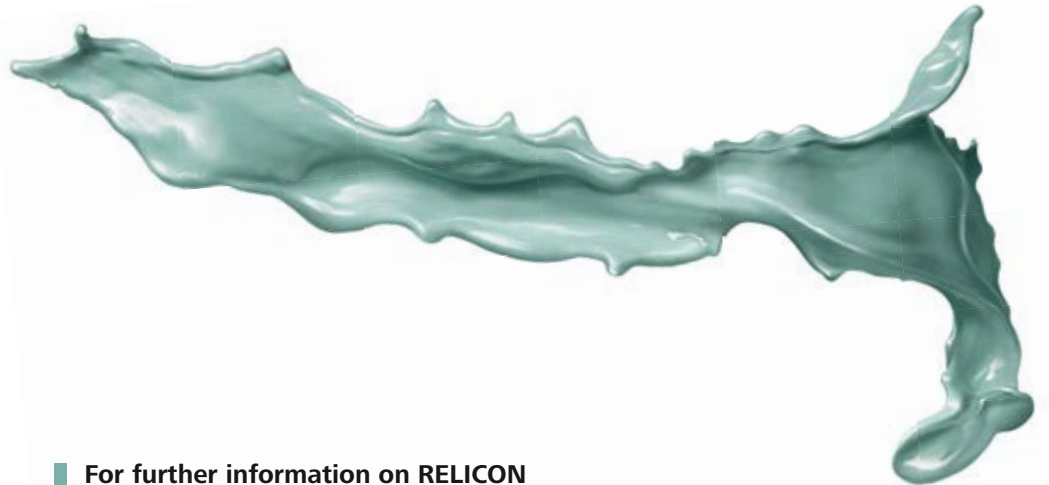
TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX25-19x33	0.25	19.0	33.0 m	Black (BK)	710-00450
HTAPE-FLEX25-38x33	0.25	38.0	33.0 m	Black (BK)	710-00451

All dimensions in mm. Subject to technical changes.  
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Innovative cast resin and gel technology  
for a reliable cable connection



# RELICON by **HellermannTyton**



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[RELICON@HellermannTyton.de](mailto:RELICON@HellermannTyton.de)



### Vinyl Electrical Tapes – Premium Vinyl Electrical Tape

#### Helatape Flex 1000+

#### Features and Benefits

- All-weather, highly flexible, professional grade, self-adhesive vinyl electrical tape
- Excellent performance and durability over wide temperature range from -18°C to +105°C according to CSA C22.2
- VDE approved according to IEC 60454-3-1-7/F-PVCP/90
- 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 1 kV
- Protective jacketing for low, medium and high voltage splices and repairs
- Flame retardant according to UL 510 Standard
- For indoor and outdoor applications
- Size 19 mm x 20 m is single packed in a plastic can, only 710-10601 comes in a pack of 10 pcs.



Helatape Flex 1000+ provides excellent low temperature performance.

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Dielectric Strength</b>	45 kV/mm
<b>Adhesion to Steel</b>	3.0 N/10 mm
<b>Adhesion to Backing</b>	2.5 N/10 mm
<b>Elongation at break</b>	300 %
<b>Breaking Strength</b>	35 N/10 mm
<b>Operating Temperature</b>	-18 °C to +105 °C



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX1000+19x6	0.18	19.0	6.0 m	Black (BK)	710-10600
HTAPE-FLEX1000+19x20 PACK	0.18	19.0	20.0 m	Black (BK)	710-10601
HTAPE-FLEX1000+19x20	0.18	19.0	20.0 m	Black (BK)	710-10602
	0.18	19.0	20.0 m	Blue (BU)	710-10603
	0.18	19.0	20.0 m	Brown (BN)	710-10608
	0.18	19.0	20.0 m	Green (GN)	710-10606
	0.18	19.0	20.0 m	Green-Yellow (GNYE)	710-10612
	0.18	19.0	20.0 m	Grey (GY)	710-10609
	0.18	19.0	20.0 m	Red (RD)	710-10604
	0.18	19.0	20.0 m	White (WH)	710-10607
	0.18	19.0	20.0 m	Yellow (YE)	710-10605
HTAPE-FLEX1000+19x33	0.18	19.0	33.0 m	Black (BK)	710-10610
HTAPE-FLEX1000+50x33	0.18	50.0	33.0 m	Black (BK)	710-10611

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### Vinyl Electrical Tapes – Premium Heavy Duty Vinyl Electrical Tape

#### Helatape Flex 2000+

#### Features and Benefits

- All-weather, highly flexible, professional grade, self-adhesive vinyl electrical tape with higher thickness for more mechanical and electrical protection
- Excellent performance and durability over wide temperature range from -18 °C to +105 °C according to CSA C22.2
- Pressure sensitive and aggressive high quality rubber based adhesive
- Performs continuously at low temperature environment
- Flame retardant according to UL 510 Standard
- Excellent resistance to abrasion, moisture, chemicals, corrosion and UV exposure
- Primary electrical insulation for all wire and cable splices up to 1 kV



*Helatape Flex 2000+ is the best choice for professional installation.*

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Dielectric Strength</b>	48 kV/mm
<b>Adhesion to Steel</b>	2.8 N/10 mm
<b>Adhesion to Backing</b>	2.4 N/10 mm
<b>Elongation at break</b>	300 %
<b>Breaking Strength</b>	40 N/10 mm
<b>Operating Temperature</b>	-18 °C to +105 °C



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-FLEX2000+19x20	0.21	19.0	20.0 m	Black (BK)	710-10701
HTAPE-FLEX2000+38x20	0.21	38.0	20.0 m	Black (BK)	710-10705

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



### Vinyl Electrical Tapes – Vinyl Tape for Corrosion Protection

#### Helatape Wrap 25

#### Features and Benefits

- Special adhesive with 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 protects against all types of corrosion.*

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Dielectric Strength</b>	40 kV/mm
<b>Adhesion to Steel</b>	2.4 N/10 mm
<b>Adhesion to Backing</b>	2.0 N/10 mm
<b>Elongation at break</b>	200 %
<b>Breaking Strength</b>	44 N/10 mm
<b>Operating Temperature</b>	-10 °C to +90 °C



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-WRAP25-25x30	0.25	25.0	30.0 m	Black (BK)	710-10800
HTAPE-WRAP25-50x30	0.25	50.0	30.0 m	Black (BK)	710-10802
HTAPE-WRAP25-100x30	0.25	100.0	30.0 m	Black (BK)	710-10803

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



### Conductive Tapes – Electrical Semi-Conducting Tape

#### HelaTape Shield 310



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

#### Features and Benefits

- Self-amalgamating conducting tape made from ethylene propylene rubber
- Provides good conducting properties
- Prevents partial discharges
- Moisture and UV-resistant and easy to apply
- Replacement for semiconducting layer underneath the metallic shield in case of repairs and connections of medium to high voltage cables

<b>MATERIAL</b>	Ethylene Propylene Rubber (EPR)
<b>Operating Temperature</b>	+90 °C
<b>Intermittent Operating Temperature</b>	+130 °C
<b>Water Absorption</b>	0.02 %
<b>Elongation at break</b>	500 %
<b>Volume Resistance</b>	870 Ω cm



### Conductive Tapes – Electrical Shielding Tape

#### HelaTape Shield 320



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

<b>MATERIAL</b>	Tin Plated copper
<b>Elongation at break</b>	5 %



#### HelaTape Shield 310

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-SHIELD310	0.76	19.0	4.6 m	Black (BK)	711-10000
	0.76	38.0	9.1 m	Black (BK)	711-10001

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

#### HelaTape Shield 320

TYPE	Width (W)	Length (L)	Colour	Article-No.
HTAPE-SHIELD320	25.0	4.6 m	Natural (NA)	711-10002

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



### High Temperature Tapes – Arc and Fireproofing Tape

#### HelaTape Power 410



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 proofing for high voltage and communication cables
- For cable protection in cable trays, switch boxes, cable conduits and substations
- Excellent flexibility and conformability for easy application
- Creates insulating residue when exposed to severe flame conditions
- Passes flammability test according to Con-Ed EO 5343-14
- Withstands Bunsen burner flame for many minutes
- Water, chemical and UV resistant

<b>MATERIAL</b>	Elastomer (PM)
<b>Elongation at break</b>	300 %

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#### HelaTape Power 410

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER410	0.76	38.0	6.0 m	Grey (GY)	711-10100

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

#### HelaTape Power 600

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER600-19x6.7	0.76	19.0	6.7	Black (BK)	711-10200
HTAPE-POWER600-38x6.7	0.76	38.0	6.7	Black (BK)	711-10201

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

### Self-amalgamating Tapes – Low Voltage Rubber Tape

#### HelaTape Power 600



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

#### Features and Benefits

- Self-amalgamating low voltage rubber tape
- Primary insulation at not more than 1 kV
- Easily suitable to irregular shapes and surfaces
- Compatible with all extruded dielectric cable insulations
- Weather resistant and flame retardant according to UL 510
- Recommended use in conjunction with HelaTape Flex for mechanical protection

<b>MATERIAL</b>	Natural Rubber (NR)
<b>Operating Temperature</b>	+80 °C
<b>Intermittent Operating Temperature</b>	+95 °C
<b>Tensile Strength</b>	2 N/mm <sup>2</sup>
<b>Elongation at break</b>	300 %
<b>Dielectric Strength</b>	14 kV/mm

HF ✓

RoHS ✓





### Self-amalgamating Tapes – Electrical Insulation Mastic

#### HelaTape Power 650

#### Features and Benefits

- Self-amalgamating insulation compound for sealing and padding cable jackets up to 1 kV
- Easily moulded by hand to conform to irregular shapes even during low temperatures
- Permanently elastic and resistant to aging
- Perfect adhesion to metal and all types of cable insulations and jackets
- Provides excellent moisture sealing
- Resistant to salt water, ozone, oil and corrosive chemicals
- Recommended use with HelaTape Flex vinyl electrical tape for mechanical protection



*HelaTape Power 650 self-amalgamating mastic is highly flexible.*

<b>MATERIAL</b>	Isobutene-Isoprene-Rubber (butyl rubber) (IIR)
<b>Operating Temperature</b>	+90 °C
<b>Intermittent Operating Temperature</b>	+130 °C
<b>Water Absorption</b>	0.1 %
<b>Volume Resistance</b>	10 <sup>15</sup> Ω cm
<b>Dielectric Strength</b>	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)	711-10300

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



### Self-amalgamating Tapes – Rubber Mastic Tape

#### HelaTape Power 660 RM

#### Features and Benefits

- Self-amalgamating rubber mastic tape
- EPR backing coated with a tacky, temperature-stable mastic adhesive
- Designed for electrical insulating and moisture sealing applications
- Can be used as cable jacket replacement
- Perfect adhesion and sealing for copper and aluminium wires
- Easily suitable to irregular shapes and surfaces
- Compatible with all extruded cable insulations
- UV, moisture, corrosion, and chemical resistant
- Primary electrical insulation for bus bar connections rated up to 35 kV
- Recommended use with HelaTape Flex vinyl electrical tape for mechanical protection



*HelaTape Power 660 is a very flexibel Rubber-Mastic sealing and padding tape.*

<b>MATERIAL</b>	Ethylene Propylene Rubber (EPR), Isobutene-Isoprene-Rubber (butyl rubber) (IIR)
<b>Operating Temperature</b>	+90 °C
<b>Intermittent Operating Temperature</b>	+130 °C
<b>Water Absorption</b>	0.1 %
<b>Tensile Strength</b>	1.5 N/mm <sup>2</sup>
<b>Dielectric Strength</b>	19.7 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER660-RM	1.65	50.8	3.0 m	Black (BK)	711-00307

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



### Self-amalgamating Tapes – Vinyl Mastic Tape

#### HelaTape Power 670 VM

##### Features and Benefits

- Easy to apply vinyl mastic tape
- Self-adhesive application - without stretching
- Mastic layer is very sticky and provides excellent moisture sealing
- Vinyl top layer provides additional protection
- Performs continuously at low temperature environment
- Primary insulation up to 1 kV
- Compatible with all extruded cable insulations
- UV and weather resistant



HelaTape Power 670 provides additional vinyl film protection to the mastic compound.

<b>MATERIAL</b>	Polyvinylchloride (PVC), Isobutene-Isoprene-Rubber (butyl rubber) (IIR)
<b>Operating Temperature</b>	+80 °C
<b>Intermittent Operating Temperature</b>	+95 °C
<b>Water Absorption</b>	0.9 %
<b>Tensile Strength</b>	16 N/mm <sup>2</sup>
<b>Elongation at break</b>	200 %
<b>Volume Resistance</b>	10 <sup>12</sup> Ω cm
<b>Dielectric Strength</b>	19.7 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER670-VM	1.20	100.0	3.0 m	Black (BK)	711-00304

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



### Self-amalgamating Tapes – Medium Voltage Rubber Tape

#### HelaTape Power 700

#### Features and Benefits

- Polyisobutylene-based self-amalgamating medium voltage tape
- Insulating and jacketing power cables up to 46 kV
- Provides electrical stability and permanent moisture sealing
- Perfect stretching properties allows fast and uniform application
- Excellent UV, moisture, corrosion and chemical resistance
- Temperature range from -40 °C to +90 °C
- Compatible with all extruded cable insulation materials



*HelaTape Power 700 is a self-amalgamating medium voltage rubber tape.*

<b>MATERIAL</b>	Polyisobutylene Rubber (PIBR)
<b>Operating Temperature</b>	+90 °C
<b>Water Absorption</b>	0.02 %
<b>Tensile Strength</b>	2.4 N/mm <sup>2</sup>
<b>Elongation at break</b>	700 %
<b>Volume Resistance</b>	10 <sup>13</sup> Ω cm
<b>Dielectric Strength</b>	35 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER700-PIB	0.50	19.0	10.0 m	Black (BK)	711-00308

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





### Self-amalgamating Tapes – Medium Voltage Rubber Tape (Linerless)

#### HelaTape Power 715

The rubber-based self-amalgamating linerless tape is used for electrical insulation, protection, sealing, splicing and termination of cables up to 35 kV. The special material comes without a separating liner and reduces therefore the time required to apply the tape. It features with excellent UV, moisture, corrosion, ozone and chemical resistance. HelaTape Power 715 is compatible with all extruded dielectric cable insulations.

#### Features and Benefits

- Rubber-based self-amalgamating linerless tape
- Used for waterproof sealing and corrosion protection of cables
- Excellent electrical insulation and weather protection
- Time saving application without liner
- Easy to apply and very flexible



*HelaTape Power 715 allows quicker layering due to the linerless composition.*

<b>MATERIAL</b>	Ethylene Propylene Rubber (EPR)
<b>Operating Temperature</b>	+90 °C
<b>Intermittent Operating Temperature</b>	+130 °C
<b>Water Absorption</b>	0.06 %
<b>Tensile Strength</b>	2.1 N/mm <sup>2</sup>
<b>Elongation at break</b>	700 %
<b>Volume Resistance</b>	10 <sup>16</sup> Ω cm
<b>Dielectric Strength</b>	30 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER715-19x5	0.50	19.0	5.0 m	Black (BK)	711-00310
HTAPE-POWER715-19x10	0.50	19.0	10.0 m	Black (BK)	711-00311
HTAPE-POWER715-25x10	0.50	25.0	10.0 m	Black (BK)	711-00312

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



### Self-amalgamating Tapes – Silicone Rubber Tape

#### HelaTape Power 800

#### Features and Benefits

- Self-amalgamating and self-cleaning, 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
- Recommended use for high temperature silicone insulated cables and outdoor machinery and transformers



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

<b>MATERIAL</b>	Silicone (SI)
<b>Operating Temperature</b>	+180 °C
<b>Tensile Strength</b>	7 N/mm <sup>2</sup>
<b>Elongation at break</b>	400 %
<b>Volume Resistance</b>	10 <sup>14</sup> Ω cm
<b>Dielectric Strength</b>	23.5 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER800	0.51	25.0	9.1 m	Grey (GY)	711-10400

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

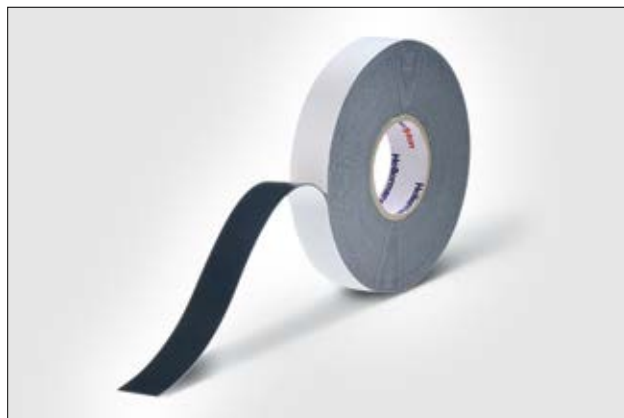


### Self-amalgamating Tapes – High Voltage Rubber Tape

#### Helatape Power 810

#### Features and Benefits

- Self-amalgamating tape for insulating and jacketing splices up to 69 kV
- Halogen-free with outstanding corona, ozone and UV-resistance
- Ideal for sealing of terminations, electrical connections, and cable jacket repair
- Void-free, electrically stable layering
- Protects bus bar components
- Excellent moisture, corrosion and chemical resistance
- Compatible with all extruded cable insulations



Helatape Power 810 enables jacketing splices up to 69 kV.

<b>MATERIAL</b>	Ethylene Propylene Rubber (EPR)
<b>Operating Temperature</b>	+90 °C
<b>Intermittent Operating Temperature</b>	+130 °C
<b>Water Absorption</b>	0.06 %
<b>Tensile Strength</b>	2.4 N/mm <sup>2</sup>
<b>Elongation at break</b>	750 %
<b>Volume Resistance</b>	10 <sup>16</sup> Ω cm
<b>Dielectric Strength</b>	30 kV/mm

HF ✓

RoHS ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER810	0.76	19.0	9.1 m	Black (BK)	711-10401

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



### Self-amalgamating Tapes – High Voltage Rubber Tape (Linerless)

#### HelaTape Power 820

#### Features and Benefits

- Self-amalgamating, linerless tape for insulating and jacketing splices up to 69 kV
- Excellent electrical, chemical and physical properties
- Building stress cones and jacketing of terminations, bus bars and joints
- Quicker application due to linerless design
- Uniform and void-free layering
- Very flexible to conform to the most complex shapes
- Compatible with all extruded cable insulations



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

<b>MATERIAL</b>	Ethylene Propylene Rubber (EPR)
<b>Operating Temperature</b>	+90 °C
<b>Intermittent Operating Temperature</b>	+130 °C
<b>Water Absorption</b>	0.06 %
<b>Tensile Strength</b>	2.8 N/mm <sup>2</sup>
<b>Elongation at break</b>	750 %
<b>Volume Resistance</b>	10 <sup>16</sup> Ω cm
<b>Dielectric Strength</b>	31.5 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER820	0.76	19.0	9.1 m	Black (BK)	711-10402

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





# HelaTape. The Tape-Team.

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





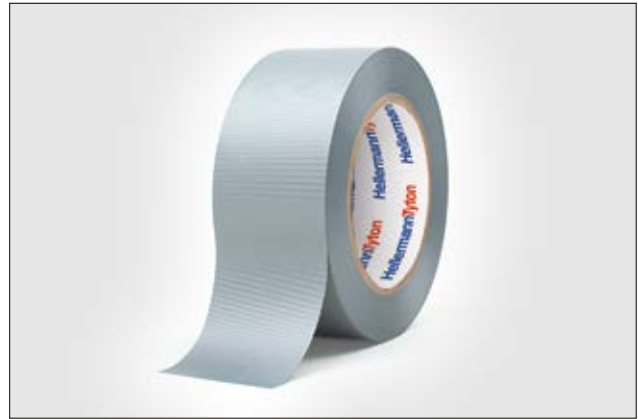
### Technical Tapes – Vinyl Bundling Tape

#### HelaTape Allround 1500

Allround 1500 – Electricians Duct Tape is designed for bundling, holding, fixing and maintenance applications. It can be also used as temporary surface protection of steel and aluminium parts.

#### Features and Benefits

- Vinyl film coated with high quality rubber adhesive
- Excellent performance and durability
- Easy to tear
- No cloth – does not absorb water
- Used for bundling, holding, fixing and maintenance
- This product has no electrical insulating properties



*HelaTape Allround 1500 – universal and very strong vinyl bundling tape.*

<b>MATERIAL</b>	Polyvinylchloride (PVC)
<b>Adhesion to Steel</b>	1.5 N/10 mm
<b>Adhesion to Backing</b>	1.5 N/10 mm
<b>Elongation at break</b>	150 %
<b>Breaking Strength</b>	18 N/10 mm

**RoHS** ✓

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-ALLROUND1500	0.15	51.0	46.0 m	Grey (GY)	710-01000

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



### Technical Tapes – Cloth Tape

#### Helatape Tex

#### 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.

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



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-TEX-19x10	0.31	19.0	10.0 m	Black (BK)	712-00204
	0.31	19.0	10.0 m	Blue (BU)	712-00200
	0.31	19.0	10.0 m	Green (GN)	712-00203
	0.31	19.0	10.0 m	Grey (GY)	712-00206
	0.31	19.0	10.0 m	Red (RD)	712-00201
	0.31	19.0	10.0 m	White (WH)	712-00205
	0.31	19.0	10.0 m	Yellow (YE)	712-00202
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-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.



### Wire Harness Tape – Hand-tearable Cloth Tape

#### HelaTape Protect 180

#### Features and Benefits

- High quality Polyester Fabric harnessing tape
- Rubber-based adhesive offers very good heat and media resistance
- High temperature stability from -40 °C to +125 °C
- Temperature resistance tested according to LV312
- Very good resistance against abrasion
- Material is very flexible and tearable by hand
- Excellent ageing resistance, stable against rotting



*HelaTape Protect 180 is very flexible and used for cable harnessing.*

<b>MATERIAL</b>	Polyester (PET)
<b>Operating Temperature</b>	-40 °C to +125 °C
<b>Adhesion to Steel</b>	3 N/10 mm
<b>Adhesion to Backing</b>	3 N/10 mm
<b>Elongation at break</b>	15 %
<b>Breaking Strength</b>	65 N/10 mm



#### HelaTape Protect 180

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-PROTECT180	0.18	19.0	25.0 m	Black (BK)	712-10002

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





## Wire Harness Tape – Strong, High Temperature Cloth Tape

### HelaTape Protect 250

#### Features and Benefits

- High temperature Polyester Fabric harnessing tape
- Special acrylate-based adhesive offers very good heat and media resistance
- Very high temperature stability from -40 °C to +150 °C
- Temperature and humidity resistance tested according to LV312
- Very good resistance against abrasion
- Material is very flexible and easy to handle
- Excellent ageing resistance, stable against rotting
- Provides long term reliability under varying and extreme environmental conditions



*HelaTape Protect 250 is designed for cable harnessing and offers a very high temperature resistance.*

<b>MATERIAL</b>	Polyester (PET)
<b>Operating Temperature</b>	-40 °C to +150 °C
<b>Adhesion to Steel</b>	2.5 N/10 mm
<b>Adhesion to Backing</b>	2 N/10 mm
<b>Elongation at break</b>	15 %
<b>Breaking Strength</b>	180 N/10 mm



### HelaTape Protect 250

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-PROTECT250	0.25	19.0	25.0 m	Black (BK)	712-10003

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



### Wire Harness Tape – Soft and Flexible Fleece Tape

#### HelaTape Protect 300



HelaTape Protect 300 provides high noise reduction and media resistance.

#### Features and Benefits

- Soft Polyester Fleece harnessing tape
- High noise reduction and very high resistance against abrasion
- Synthetic rubber based adhesive offers good heat and media resistance
- High temperature stability from -40 °C to +105 °C
- Material is very flexible and tearable by hand
- Excellent ageing resistance and stable against rotting

<b>MATERIAL</b>	Polyester (PET)
<b>Operating Temperature</b>	-40 °C to +105 °C
<b>Adhesion to Steel</b>	2 N/10 mm
<b>Adhesion to Backing</b>	2 N/10 mm
<b>Elongation at break</b>	10 %
<b>Breaking Strength</b>	30 N/10 mm



### Wire Harness Tape – High Noise Reduction Tape

#### HelaTape Protect 1500



HelaTape Protect 1500 is extremely soft and offers very high noise reduction.

#### Features and Benefits

- High quality Polyamide Velours harnessing tape
- Highest noise reduction and very high resistance against abrasion
- Acrylate based adhesive offers very good heat and media resistance
- High temperature stability from -40 °C to +130 °C
- Material is extremely soft and very flexible
- Excellent ageing resistance, stable against rotting

<b>MATERIAL</b>	Polyamide (PA)
<b>Operating Temperature</b>	-40 °C to +130 °C
<b>Adhesion to Steel</b>	2.5 N/10 mm
<b>Adhesion to Backing</b>	2 N/10 mm
<b>Elongation at break</b>	50 %
<b>Breaking Strength</b>	100 N/10 mm



#### HelaTape Protect 300

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HETAPE-PROTECT300	0.30	19.0	25.0 m	Black (BK)	712-10001

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

#### HelaTape Protect 1500

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HETAPE-PROTECT1500	1.50	25.0	4.0 m	Black (BK)	712-10000

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

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