



HelaTape

HellermannTyton offers a wide range of PVC and rubber tapes for sealing, insulation and bundling of cable and conduits.

PVC based tapes are designed for low voltage applications and available in a variety of dimensions and colours. Rubber tapes are best suited for sealing and insulating of cables and splices from low to very high voltage.

HelaTape Flex - PVC Tapes

Based on a vinyl film and coated with a balanced combination of high quality rubber adhesives, HelaTape Flex is characterised by excellent performance and durability. The PVC tapes can be used for insulation, protection, fixing, maintenance, colour coding and many other applications. The range also offers superior premium tapes with excellent all-weather performance under cold conditions. All HelaTape Flex tapes are RoHS compliant.

• HelaTape Flex 15 - all purpose PVC tape

Features and Benefits

HelaTape Flex 15 insulation tape is available in several colours. It is highly flexible with a good adhesion level. It is flame retardant and suitable for all kinds of mechanical and electrical applications up to 600 volts.

Material Data		
Material	Polyvinylchloride (PVC)	
Dielectric Breakdown	8 kV	
Adhesion to Steel	3.5 N/10 mm	
Adhesion to Backing	3.3 N/10 mm	
Elongation at break	220 %	
Breaking Strength	27 N/10 mm	
Operating Temperature	+105 °C	



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

Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00100	HTAPE-FLEX15-15x10	0.15	15	10	Blue (BU)
710-00101	HTAPE-FLEX15-15x10	0.15	15	10	Red (RD)
710-00102	HTAPE-FLEX15-15x10	0.15	15	10	Yellow (YE)
710-00103	HTAPE-FLEX15-15x10	0.15	15	10	Green (GN)
710-00104	HTAPE-FLEX15-15x10	0.15	15	10	Black (BK)
710-00105	HTAPE-FLEX15-15x10	0.15	15	10	White (WH)
710-00106	HTAPE-FLEX15-15x10	0.15	15	10	Green-Yellow (GNYE)
710-00107	HTAPE-FLEX15-15x10	0.15	15	10	Brown (BN)
710-00108	HTAPE-FLEX15-15x10	0.15	15	10	Grey (GY)
710-00109	HTAPE-FLEX15-15x10	0.15	15	10	Violet (VT)
710-00110	HTAPE-FLEX15-15x10	0.15	15	10	Orange (OG)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.

Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00111	HTAPE-FLEX15-15x25	0.15	15	25	Blue (BU)
710-00112	HTAPE-FLEX15-15x25	0.15	15	25	Red (RD)
710-00113	HTAPE-FLEX15-15x25	0.15	15	25	Yellow (YE)
710-00114	HTAPE-FLEX15-15x25	0.15	15	25	Green (GN)
710-00115	HTAPE-FLEX15-15x25	0.15	15	25	Black (BK)
710-00116	HTAPE-FLEX15-15x25	0.15	15	25	White (WH)
710-00117	HTAPE-FLEX15-15x25	0.15	15	25	Green-Yellow (GNYE)
710-00118	HTAPE-FLEX15-15x25	0.15	15	25	Brown (BN)
710-00119	HTAPE-FLEX15-15x25	0.15	15	25	Grey (GY)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.



HelaTape Flex 15 in 25-m reel lengths.



HelaTape Flex - PVC Tapes

- HelaTape Flex 15 - all purpose PVC tape

Features and Benefits

HelaTape Flex 15 insulation tape is available in several colours. It is highly flexible with a good adhesion level. It is flame retardant and suitable for all kinds of mechanical and electrical applications up to 600 volts.

Material Data	
Material	Polyvinylchloride (PVC)
Dielectric Breakdown	8 kV
Adhesion to Steel	3.5 N/10 mm
Adhesion to Backing	3.3 N/10 mm
Elongation at break	220 %
Breaking Strength	27 N/10 mm
Operating Temperature	+105 °C



HelaTape Flex 15: Choose from a wide range of colours.

Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00122	HTAPE-FLEX15-19x25	0.15	19	25	Blue (BU)
710-00123	HTAPE-FLEX15-19x25	0.15	19	25	Red (RD)
710-00124	HTAPE-FLEX15-19x25	0.15	19	25	Yellow (YE)
710-00125	HTAPE-FLEX15-19x25	0.15	19	25	Green (GN)
710-00126	HTAPE-FLEX15-19x25	0.15	19	25	Black (BK)
710-00127	HTAPE-FLEX15-19x25	0.15	19	25	White (WH)
710-00128	HTAPE-FLEX15-19x25	0.15	19	25	Green-Yellow (GNYE)
710-00129	HTAPE-FLEX15-19x25	0.15	19	25	Brown (BN)
710-00130	HTAPE-FLEX15-19x25	0.15	19	25	Grey (GY)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.

- HelaTape Flex 15 - all purpose PVC tape



HelaTape Flex 15 is available in economic sizes.

Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00137	HTAPE-FLEX15-25x25	0.15	25	25	Black (BK)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.



Electrical Tapes PVC

- **HelaTape Flex 1000+** premium PVC tape

Features and Benefits

HelaTape Flex 1000+ is an all-weather, professional grade, self-adhesive vinyl tape providing excellent performance over a wide range of temperatures. It can be used as primary insulation for splices up to 600 volts and as a protective outer jacket over splices and all low temperature applications.



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

Material Data

Material	Polyvinylchloride (PVC)
Dielectric Breakdown	10 kV
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



Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00600	HTAPE-FLEX1000+19x6	0.18	19	6	Black (BK)
710-00601	HTAPE-FLEX1000+19x10	0.18	19	10	Black (BK)
710-00602	HTAPE-FLEX1000+19x20	0.18	19	20	Black (BK)
710-00612	HTAPE-FLEX1000+19x33	0.18	19	33	Black (BK)
710-00613	HTAPE-FLEX1000+50x33	0.18	50	33	Black (BK)
710-00603	HTAPE-FLEX1000+19x20	0.18	19	20	Blue (BU)
710-00604	HTAPE-FLEX1000+19x20	0.18	19	20	Red (RD)
710-00605	HTAPE-FLEX1000+19x20	0.18	19	20	Yellow (YE)
710-00606	HTAPE-FLEX1000+19x20	0.18	19	20	Green (GN)
710-00607	HTAPE-FLEX1000+19x20	0.18	19	20	White (WH)
710-00609	HTAPE-FLEX1000+19x20	0.18	19	20	Brown (BN)
710-00611	HTAPE-FLEX1000+19x20	0.18	19	20	Grey (GY)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.

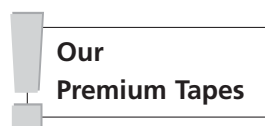
- **HelaTape Flex 2000+** premium PVC tape for higher mechanical demands

Features and Benefits

HelaTape Flex 2000+ is an all-weather professional grade self-adhesive vinyl tape. At 0.21 mm it provides heavier thickness and offers added mechanical and electrical protection. HelaTape Flex 2000+ can be used as primary insulation for splices up to 600 volts whilst providing excellent cold weather performance.



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



Material Data

Material	Polyvinylchloride (PVC)
Dielectric Breakdown	11 kV
Adhesion to Steel	2.2 N/10 mm
Adhesion to Backing	2.0 N/10 mm
Elongation at break	280 %
Breaking Strength	35 N/10 mm
Operating Temperature	-18 °C to +105 °C



Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00700	HTAPE-FLEX2000+19x6	0.21	19	6	Black (BK)
710-00701	HTAPE-FLEX2000+19x20	0.21	19	20	Black (BK)
710-00702	HTAPE-FLEX2000+25x33	0.21	25	33	Black (BK)
710-00703	HTAPE-FLEX2000+38x33	0.21	38	33	Black (BK)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.



Electrical Tapes PVC

- **HelaTape Flex 20 - PVC tape for higher mechanical demands**

Features and Benefits

These PVC tapes are equipped with a special high level adhesive and are designed for all types of mechanical and electrical applications up to 600 volts. Additional thickness allows quicker build-ups and added abrasion resistance.



HelaTape Flex 20 - Additional thickness allows for quicker layering.

Material Data	
Material	Polyvinylchloride (PVC)
Dielectric Breakdown	10 kV
Adhesion to Steel	4.0 N/10 mm
Adhesion to Backing	3.8 N/10 mm
Elongation at break	240 %
Breaking Strength	38 N/10 mm
Operating Temperature	+105 °C



Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00300	HTAPE-FLEX20-19x20	0.20	19	20	Black (BK)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.

- **HelaTape Flex 23 - PVC tape for higher mechanical demands**

Material Data	
Material	Polyvinylchloride (PVC)
Dielectric Breakdown	11 kV
Adhesion to Steel	4.0 N/10 mm
Adhesion to Backing	3.8 N/10 mm
Elongation at break	240 %
Breaking Strength	43 N/10 mm
Operating Temperature	+105 °C



HelaTape Flex 23 for higher mechanical and electrical demands.

Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00401	HTAPE-FLEX23-19x33	0.23	19	33	Black (BK)
710-00403	HTAPE-FLEX23-38x33	0.23	38	33	Black (BK)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.



Electrical Tapes PVC

- **HelaTape Flex 40 - PVC tape for higher mechanical demands**

Features and Benefits

These PVC tapes are equipped with a special high level adhesive and are designed for all types of mechanical and electrical applications up to 600 volts. Additional thickness allows quicker build-ups and added abrasion resistance.

Material Data

Material	Polyvinylchloride (PVC)
Dielectric Breakdown	14 kV
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



HelaTape Flex 40 for higher abrasion resistance.

Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00500	HTAPE-FLEX40-50x30	0.40	50	30	Black (BK)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.

- **HelaTape Wrap 25 - PVC tape for corrosion protection**

Features and Benefits

This is a filmic PVC tape with a special adhesive. This tape offers an excellent protection against corrosion and gives complete environmental, mechanical and electrical protection for all types of pipe wrapping applications. It is also resistant to UV, bacteria and fungus. HelaTape Wrap can be used for both overhead and direct burial applications.

Material Data

Material	Polyvinylchloride (PVC)
Dielectric Breakdown	10 kV
Adhesion to Steel	2.4 N/10 mm
Adhesion to Backing	2.0 N/10 mm
Elongation at break	250 %
Breaking Strength	44 N/10 mm
Operating Temperature	+105 °C



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

Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
710-00800	HTAPE-WRAP25-25x30	0.25	25	30	Black (BK)
710-00801	HTAPE-WRAP25-38x30	0.25	38	30	Black (BK)
710-00802	HTAPE-WRAP25-50x30	0.25	50	30	Black (BK)
710-00803	HTAPE-WRAP25-100x30	0.25	100	30	Black (BK)

All dimensions in mm. Subject to technical changes.

Other dimensions, reel lengths or colours available on request.



HelaTape Power - Rubber and high voltage tapes

- **HelaTape Power 310 - self-amalgamating, conductive tape for high voltage shielding**

Features and Benefits

HelaTape Shield 310 is a 0.76mm self-amalgamating, ethylene propylene rubber conducting tape for shielding high-voltage splices and terminations. It has excellent conducting properties and is easy to apply. It prevents the corona-effect and is moisture and UV-resistant. This tape is used for rebuilding strand and insulation shields on high-voltage splices and for shielding all type of connections.



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

Material Data	
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



Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00000	HTAPE-SHIELD310	0.76	19	4.6	Black (BK)
711-00001	HTAPE-SHIELD310	0.76	38	9.1	Black (BK)

All dimensions in mm. Subject to technical changes.

- **HelaTape Power 320 - tinned copper shielding tape**

Features and Benefits

HelaTape Shield 320 is an all-copper knit-mesh designed to allow excellent pliability when applied in the field. The special knit design allows easy application and provides good electromagnetic shielding.



HelaTape Shield 320 provides good electromagnetic shielding.

Material Data	
Material	Tin Plated copper
Elongation at break	5 %



Technical Table				
Article-No.	Type	Width (W)	Reel Length (m)	Colour
711-00002	HTAPE-SHIELD320	25	4.6	Natural (NA)

All dimensions in mm. Subject to technical changes.



HelaTape Power - Rubber and high voltage tapes

• HelaTape Power 410 - arc and fireproofing tape

Features and Benefits

HelaTape Power 410 is an unsupported, liner less, elastomeric tape possessing superior arc and flame resistance for cable protection in all type of applications. The unsupported construction offers excellent flexibility and conformability for easy application. When subjected to severe flame conditions, HelaTape Power 420 will generate a thermally insulating residue for cable protection. The tape is water, chemical and UV resistant.



HelaTape Power410 is an unsupported, liner less, elastomeric tape possessing superior arc and flame resistance.

Material Data

Material	Elastomeric
Tensile Strength	8 MPa
Elongation at break	300 %



Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00100	HTAPE-POWER410	0.76	38	6	Grey (GY)

All dimensions in mm. Subject to technical changes.

• HelaTape Power 420 - thermal class fabric tape

Features and Benefits

HelaTape Power 420 is a woven glass fabric tape with a thermosetting rubber based self adhesive. It has a high tensile strength and provides excellent tear and abrasion resistance with a service temperature rating of 130°C.



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

Material Data

Material	Glassfibre Cloth
Elongation at break	5 %



Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00101	HTAPE-POWER420	0.18	19	20	White (WH)

All dimensions in mm. Subject to technical changes.



HelaTape Power - Rubber and high voltage tapes

- **HelaTape Power 600 - self-amalgamating low voltage tape**

Features and Benefits

HelaTape Power 600 is a self-amalgamating low-voltage rubber tape for use as primary insulation at not more than 600 volts.

It easily conforms to irregular shapes and surfaces, providing a void-free electrically stable layering. It is compatible with all extruded dielectric cable insulations.



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

Material Data

Material	Natural Rubber (NR)
Operating Temperature	+80 °C
Intermittent Operating Temperature	+95 °C
Tensile Strength	2.40 MPa
Elongation at break	450 %
Volume Resistance	10¹³ Ω cm
Dielectric Strength	25 kV/mm



Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00200	HTAPE-POWER600	0.76	19	6.7	Black (BK)
711-00201	HTAPE-POWER600	0.76	38	6.7	Black (BK)

All dimensions in mm. Subject to technical changes.

- **HelaTape Power 750 - medium voltage mastic tape**

Features and Benefits

HelaTape Power 750 is a self-amalgamating, low-voltage insulating compound designed for quick, void-free insulation layering. It can be easily moulded by hand to conform to irregular shapes. It can be used as primary insulation for splices up to 5 kV in conjunction with other insulating tapes. It is ideal for covering split bolts, padding bus bar edges and connections, and provides an excellent seal against moisture.



HelaTape Power 750 is a self-amalgamating, low-voltage insulating compound.

Material Data

Material	Butyl rubber (IIR)
Operating Temperature	+80 °C
Intermittent Operating Temperature	+95 °C
Water Absorption	0.13 %
Tensile Strength	0.35 MPa
Elongation at break	1000 %
Volume Resistance	10¹³ Ω cm



Technical Table

Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00300	HTAPE-POWER750	3.2	38	1.5	Black (BK)

All dimensions in mm. Subject to technical changes.



HelaTape Power - Rubber and high voltage tapes

• HelaTape Power 800 - self-amalgamating silicone highvoltage tape

Features and Benefits

HelaTape Power 800 is a self-amalgamating chemically cross-linked silicone rubber tape. It has a triangular cross-section and features a centre line for precise half-overlapping. Resistant against creepage and surface erosion, HelaTape Power 800 fuses into a solid mass within minutes of application. It employs no adhesive coating, offering a non-contaminating, self-cleaning surface which maintains high creepage resistance.

Material Data	
Material	Silicone (SI)
Operating Temperature	+180 °C
Tensile Strength	3.5 MPa
Elongation at break	400 %
Dielectric Strength	23,5 kV/mm



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

Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00400	HTAPE-POWER800	0.51	25	9.1	Grey (GY)

All dimensions in mm. Subject to technical changes.

• HelaTape Power 810 - self-amalgamating high voltage tape

Features and Benefits

HelaTape Power 810 is 0.76 mm thick and is made of ethylene propylene rubber. It is self-amalgamating and jackets splices up to 69 kV. It is halogenfree and has outstanding corona, ozone and UV-resistance. HelaTape Power 810 amalgamates quickly, supplying void-free, electrically stable layering and is ideal for water-proofing. The tape offers excellent moisture, corrosion and chemical resistance.

Material Data	
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	10¹¹ Ω cm
Dielectric Strength	35 kV/mm



HelaTape Power 810 enables jacketing splices up to 69 kV.

Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00401	HTAPE-POWER810	0.76	19	9.1	Black (BK)

All dimensions in mm. Subject to technical changes.



HelaTape Power - Rubber and high voltage tapes

• HelaTape Power 820 - self-amalgamating high voltage tape, linerless

Features and Benefits

HelaTape Power 820 is an ethylene rubber based, high-voltage tape possessing excellent electrical, chemical and physical properties. It is a linerless, self-bonding tape that permits much quicker taping speeds than a tape with a liner and yields a uniform and void-free layering. The excellent stretch of HelaTape Power 820 enables it to conform to the most complex shapes and contours.

Material Data	
Material	Ethylene Propylene Rubber (EPR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Tensile Strength	3.30 MPa
Elongation at break	900 %
Volume Resistance	10¹¹ Ω cm
Dielectric Strength	35 kV/mm



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

Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00402	HTAPE-POWER820	0.76	19	9.1	Black (BK)

All dimensions in mm. Subject to technical changes.

• HelaTape Power 900 - self-amalgamating high voltage tape

Features and Benefits

HelaTape Power 900 is an ethylene rubber based, high-voltage tape possessing superior electrical, chemical and mechanical and thermal properties. It fuses quickly, yielding void-free, electrically stable layering. It is used to insulate and jacket splices on power cables from 600 volts up to 138 kV and to build stress cones and jackets of terminations on power cables up to 35 kV. The tape offers outstanding corona, ozone, chemical and corrosion resistance and can withstand UV and cable impregnates.

Material Data	
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	10¹¹ Ω cm
Dielectric Strength	37 kV/mm



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

Technical Table					
Article-No.	Type	Thickness (T)	Width (W)	Reel Length (m)	Colour
711-00500	HTAPE-POWER900	0.51	19	9.1	Black (BK)
711-00501	HTAPE-POWER900	0.51	25	9.1	Black (BK)
711-00502	HTAPE-POWER900	0.51	38	9.1	Black (BK)

All dimensions in mm. Subject to technical changes.