

HellermannTyton

HelaTape,
Insulating, Fixing,
Sealing,
Repairing



2018



HelaTape

HellermannTyton offers a comprehensive range of Vinyl and Rubber 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.

Vinyl Electrical Tapes - General Purpose Vinyl Electrical Tape

HelaTape Flex15 (0.15mm x 19mm x 20m)

Features and Benefits

- Flame retardant
- 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



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



MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	40 kV/mm (Wet)
Adhesion to Steel	2,2 N/cm
Adhesion to Backing	2,0 N/cm
Elongation at break	200 %
Tensile Strength	28 N/cm
Operating Temperature	+90 °C

Test method used IEC 60454-2.



PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	EAN bar code	Pack Cont	Article-No.
FLEX15BK	0.15	19.0	20.0 m	Black	4031026479880	10 pcs.	710-00155
FLEX15RD	0.15	19.0	20.0 m	Red	4031026479859	10 pcs.	710-00152
FLEX15BU	0.15	19.0	20.0 m	Blue	4031026479842	10 pcs.	710-00151
FLEX15WT	0.15	19.0	20.0 m	White	4031026479897	10 pcs.	710-00156
FLEX15GN	0.15	19.0	20.0 m	Green	4031026 479873	10 pcs.	710-00154
FLEX15YE	0.15	19.0	20.0 m	Yellow	40312026479866	10 pcs.	710-00153
FLEX15GNYE	0.15	19.0	20.0 m	Green yellow	4031026479903	10 pcs.	710-00157
FLEX15RP	0.15	19.0	20.0 m	Rainbow pack	4031026550541	10 pcs.	710-00165

All dimensions in mm. Subject to technical changes.





Vinyl Electrical Tapes - Industrial Grade Vinyl Electrical Tape

HelaTape Flex18 (0.18mm x 19mm x 20m)

Features and Benefits

- Flame retardant
- Used as primary insulation for splices up to 600 volts
- Provides a protective outer jacket to splices at higher voltages
- Wrapping wire harnesses and insulating degaussing coils
- Colour coding electrical circuits
- Lead-free
- Resistant to sun, water, acids, alkalies, corrosive chemicals



HelaTape Flex18 for general splicing purposes.



Material	Polyvinylchloride (PVC)
Dielectric Strength	51 kV/mm
Adhesion to Steel	2,6 N/cm
Adhesion to Backing	2,6 N/cm
Elongation at break	250 %
Tensile Strength	28 N/cm
Operating Temperature	+80 °C

Test method used ASTM-D-1000.



PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	EAN bar code	Pack Cont	Article-No.
FLEX18BK	0.18	19.0	20.0 m	Black	4031026402079	10 pcs.	710-00201
FLEX18WT	0.18	19.0	20.0 m	White	4031026436678	10 pcs.	710-00209
FLEX18RD	0.18	19.0	20.0 m	Red	4031026402086	10 pcs.	710-00206
FLEX18BU	0.18	19.0	20.0 m	Blue	4031026436647	10 pcs.	710-00200
FLEX18GN	0.18	19.0	20.0 m	Green	6005242040177	10 pcs.	710-00208
FLEX18YE	0.18	19.0	20.0 m	Yellow	6005242040207	10 pcs.	710-00207
FLEX18GNYE	0.18	19.0	20.0 m	Green yellow	4031026436685	10 pcs.	710-00210
FLEX18RP	0.18	19.0	20.0 m	Rainbow pack	4031026573618	10 pcs.	710-00215

All dimensions in mm. Subject to technical changes.





HelaTape Flex – Premium vinyl electrical tapes

HelaTape Flex1000+ (0.18mm x 19mm x 20m)

Features and Benefits

- Flame retardant
- All-weather, professional grade, self-adhesive vinyl insulating tape
- Excellent performance and durability from -18°C to +105°C
- Used for insulation, protection, fixing, maintenance, colour coding
- Pressure sensitive high quality rubber based adhesive
- Performs continuously at low temperature environment
- Excellent resistance to abrasion, water, chemicals, corrosion and sun
- Used as primary insulation for splices up to 600 volts
- Protective jacketing for low–high voltage splices and repairs
- Harnessing of wires and cables
- For indoor and outdoor applications



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

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	70 kV/mm (black)
Adhesion to Steel	3,0 N/cm
Adhesion to Backing	2,7 N/cm
Elongation at break	300 %
Tensile Strength	35 N/cm
Operating Temperature	-18 °C to +105 °C

Test method used ASTM-D-1000.



PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	EAN bar code	Pack Cont	Article-No.
FLEX1000BK	0.18	19.0	20.0 m	Black	4031026548586	Each	710-10602
FLEX1000RD	0.18	19.0	20.0 m	Red	4031026548609	Each	710-10604
FLEX1000BL	0.18	19.0	20.0 m	Blue	4031026548593	Each	710-10603
FLEX1000WT	0.18	19.0	20.0 m	White	4031026548630	Each	710-10607

All dimensions in mm. Subject to technical changes.



Vinyl Electrical Tapes – Vinyl Tape for Corrosion Protection

HelaTape Wrap 25 (0.25mm x 50mm x 30m)

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.

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	-10 °C to +90 °C



HelaTape Wrap 25

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
WRAP25	0.25	50.0	30.0 m	Black (BK)	710-10802

All dimensions in mm. Subject to technical changes.



Wire Harness Tape – Strong, High Temperature Cloth Tape

HelaTape Protect 250 (0.25mm x 19mm x 25m)



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

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

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



Wire Harness Tape – Soft and Flexible Fleece Tape

HelaTape Protect 300 (0.3mm x 19mm x 25m)



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

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



HelaTape Protect 250

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
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.

HelaTape Protect 300

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
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.



Self-amalgamating Tapes - High Voltage Rubber Tape

HelaTape Power 810 (EPR) (0.76mm x 19mm x 9.1m)



HelaTape Power 810 for primary insulation 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
- 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

MATERIAL	Ethylene Propylene Rubber (EPR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Water Absorption	0.06 %
Tensile Strength	2,4 N/mm ²
Elongation at break	750 %
Volume Resistance	10 ¹⁶ Ω cm
Dielectric Strength	30 kV/mm



Self-amalgamating Tapes – Medium Voltage Rubber Tape

HelaTape Power 700 (PIBR) (0.5mm x 19mm x 10m)



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

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

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



HelaTape Power 810 (EPR)

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	EAN bar code	Pack Cont	Article-No.
POWER810	0.76	19.0	9.1 m	Black	4031026548852	Each	711-10401

All dimensions in mm. Subject to technical changes.

HelaTape Power 700

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
POWER700	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 - Electrical Insulation Mastic

HelaTape Power 31 (1.27mm x 51mm x 1.8m)

Features and Benefits

- For jacket repair and restoration on mine trailing cable
- Used in buried power cable, and communication cable
- Sealing and repairing cable conduit
- Excellent abrasion and flame resistance
- UV resistant
- Oil and chemical resistant
- Excellent moisture seal
- No heat required
- Will not corrode copper or aluminum



HelaTape Power 31 jacket repair mining tape.

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour
POWER31	1.27	51	1.8 m	Black (BK)

Self-amalgamating Tapes – Silicone Rubber Tape

HelaTape Power 800 (0.51mm x 25mm x 9.1m)

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.

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



HelaTape Power 800

PART NO.	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
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.