





4.1 Electrical and Technical Tapes

Tapes

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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 - Vinyl electrical tapes

- **HelaTape Flex 15 - All purpose vinyl insulating tape**

Primary electrical insulation for all wire and cable splices up to 600 Volt. Protective jacketing for low, high, and medium voltage splices
Harnessing of wires and cables. Used for indoor and outdoor applications.

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
- 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.

| | |
|------------------------------|-------------------------|
| 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 |



| 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 | 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-FLEX15-15x25 | 0.15 | 15.0 | 25.0 m | Black (BK) | 710-00115 |
| | 0.15 | 15.0 | 25.0 m | Blue (BU) | 710-00111 |
| | 0.15 | 15.0 | 25.0 m | Brown (BN) | 710-00118 |
| | 0.15 | 15.0 | 25.0 m | Green (GN) | 710-00114 |
| | 0.15 | 15.0 | 25.0 m | Green-Yellow (GNYE) | 710-00117 |
| | 0.15 | 15.0 | 25.0 m | Grey (GY) | 710-00119 |
| | 0.15 | 15.0 | 25.0 m | Red (RD) | 710-00112 |
| | 0.15 | 15.0 | 25.0 m | Violet (VT) | 710-00120 |
| | 0.15 | 15.0 | 25.0 m | White (WH) | 710-00116 |
| 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 |
| 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 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
- 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 ✓

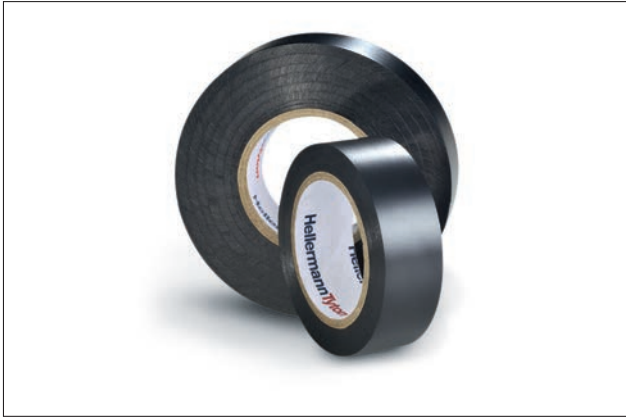
| TYPE | Thickness (T) | Width (W) | Length (L) | Colour | Article-No. |
|----------------------|---------------|-----------|------------|-------------|-------------|
| HTAPE-FLEX1000+19x6 | 0.18 | 19.0 | 6.0 m | Black (BK) | 710-00600 |
| HTAPE-FLEX1000+19x10 | 0.18 | 19.0 | 10.0 m | Black (BK) | 710-00601 |
| 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



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

Features and Benefits

- All-weather, professional grade, self-adhesive vinyl insulating tape with higher thickness for more 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

| | |
|------------------------------|-------------------------|
| 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 |



HelaTape Flex - Vinyl electrical tapes

- HelaTape Flex 20 - Insulating tape for higher mechanical demands



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 |



- HelaTape Flex 2000+ Premium insulating tape for higher mechanical requirements

| 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 Flex 20 - Insulating tape for higher mechanical demands

| 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 - Vinyl electrical tapes

- HelaTape Flex 23 - Insulating tape for higher mechanical demands



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 - Vinyl electrical tapes

- HelaTape Flex 40 - Insulating tape for higher mechanical demands



HelaTape Flex 40 for higher abrasion resistance.

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

| | |
|------------------------------|-------------------------|
| 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

- HelaTape Flex 23 - Insulating tape for higher mechanical demands

| 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 40 - Insulating tape for higher mechanical demands

| 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 Wrap - Vinyl tapes

- HelaTape Wrap 25 - Vinyl tape for corrosion protection



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

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

| | |
|------------------------------|-------------------------|
| 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 |



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 |



- HelaTape Wrap 25 - Vinyl tape for corrosion protection

| 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 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 - 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 (TNCU) |
| Elongation at break | 5 % |



HelaTape Power - Rubber and higher voltage tapes

- HelaTape Power 410 - Arc and fireproofing tape



HelaTape Power410 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 % |



- 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 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 - Rubber and higher voltage 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 | Glassfibre Cloth (GF-F) |
| Operating Temperature | +130 °C |
| Tensile Strength | 6.5 MPa |
| Elongation at break | 5 % |



HelaTape Power - Self-amalgamating rubber tapes

- HelaTape Power 600 - Self-amalgamating low voltage tape



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 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

| | |
|-------------------------------------------|-----------------------|
| 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 Ω cm |
| Dielectric Strength | 25 kV/mm |



- HelaTape Power 420 - High temperature glass cloth tape

| TYPE | Thickness (T) | Width (W) | Length (L) | Colour | Article-No. |
|-----------------|---------------|-----------|------------|------------|-------------|
| HETAPE-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 600 - Self-amalgamating low voltage tape

| TYPE | Thickness (T) | Width (W) | Length (L) | Colour | Article-No. |
|-----------------|---------------|-----------|------------|------------|-------------|
| HETAPE-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 - Rubber and higher voltage tapes

- HelaTape Power 750 - Medium voltage butyl rubber tape



HelaTape Power 750 consists of a very thick, self-amalgamating insulating compound.

Features and Benefits

- Self-amalgamating, medium voltage insulating compound
- For quick, void-free insulation layering
- Easily moulded by hand to conform to irregular shapes
- Primary insulation for splices up to 5 kV
- Ideal for covering split bolts, padding bus bar edges and connections
- Provides excellent moisture seal
- Will not corrode copper or aluminium
- Recommended use in conjunction with HelaTape Flex for outer jacketing

| | |
|-------------------------------------------|------------------------------------------------|
| MATERIAL | Isobutene-Isoprene-Rubber (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 | 10 ¹³ Ω cm |



HelaTape Power - Rubber and higher voltage tapes

- HelaTape Power 800 - Self-amalgamating high voltage silicone rubber tape



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

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

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



- HelaTape Power 750 - Medium voltage butyl rubber tape

| TYPE | Thickness (T) | Width (W) | Length (L) | Colour | Article-No. |
|-----------------|---------------|-----------|------------|------------|-------------|
| HETAPE-POWER750 | 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 800 - Self-amalgamating high voltage silicone rubber tape

| TYPE | Thickness (T) | Width (W) | Length (L) | Colour | Article-No. |
|-----------------|---------------|-----------|------------|-----------|-------------|
| HETAPE-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 - Rubber and higher voltage 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 ¹ Ω cm |
| Dielectric Strength | 35 kV/mm |



- HelaTape Power 820 - Self-amalgamating high voltage tape, linerless

| 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 - Self-amalgamating high voltage tape, linerless

| 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 - Rubber and higher voltage tapes

- HelaTape Power 820 - Self-amalgamating high voltage tape, linerless



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 ¹ Ω cm |
| Dielectric Strength | 35 kV/mm |





HelaTape Power - Rubber and higher voltage 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 ¹ Ω cm |
| Dielectric Strength | 38 kV/mm |



| 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.

Installation Devices

HelaCon Family



A sophisticated push-in wire connector for professional cable connections in electrical housing applications.



SpotClip



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

Cable Scout+



Professional cable installation tool. Sets of rods, grips and a wide range of useful accessories.