

Inspired by minimalism

It's hard to imagine an electrical installation without connectors. But many of our customers want just that. A lack of space, limited accessibility and the sheer number of cables are time-consuming challenges faced in day-to-day working life. Our developers have kept reducing the size of our HelaCon connectors further and further in their search for the answer. The latest HelaCon Plus Mini connectors (see page 405) offer ease of use combined with high standards processing reliability.



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4.1 Electrical and Technical Tapes

Vinyl Electrical Tapes

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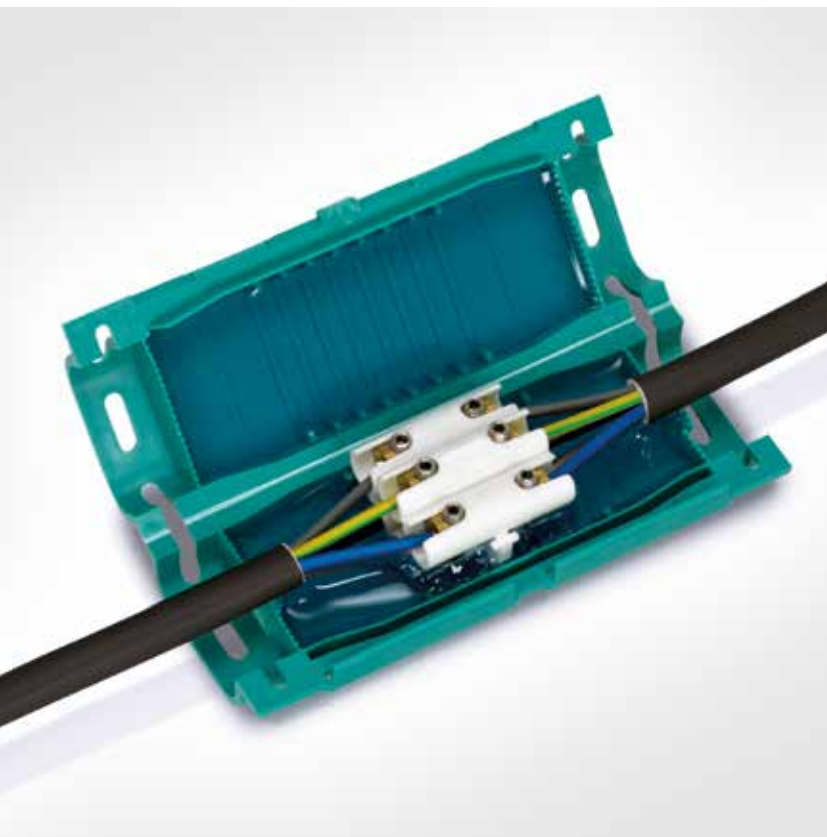
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4.2 Wire Connectors

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4.4 Gel Technology

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Gel cable joint with connector

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Gel accessories

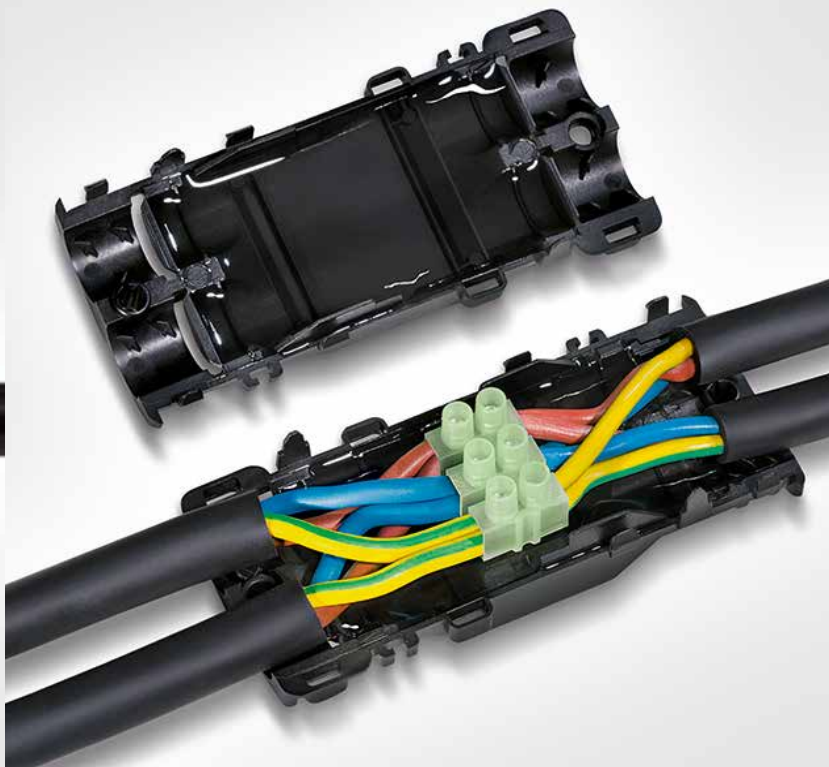
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HelaTape

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 IEC 60454-2



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



One Step to the Web!

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	200 %
Breaking Strength	28 N/10 mm
Operating Temperature	-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.



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



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	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.



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



Vinyl Electrical Tapes – Insulating Tape for Higher Mechanical Requirements

HelaTape Flex 20



HelaTape Flex 20 - Higher thickness for quicker layering.

Features and benefits

- Vinyl electrical tape with strong rubber adhesive
- Suitable for mechanical and electrical applications up to 1000 Volt
- Additional thickness for quicker layering and higher abrasion resistance
- Weather resistant
- Flame retardant according to UL 510 Standard

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	45 kV/mm
Adhesion to Steel	2.5 N/10 mm
Adhesion to Backing	2.5 N/10 mm
Elongation at break	260 %
Breaking Strength	40 N/10 mm
Operating Temperature	-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

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

RoHS ✓

HelaTape Flex 20

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

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



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.

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	45 kV/mm
Adhesion to Steel	3.0 N/10 mm
Adhesion to Backing	2.5 N/10 mm
Elongation at break	300 %
Breaking Strength	35 N/10 mm
Operating Temperature	-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
HTAPE-FLEX1000+ C 19x20	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
HTAPE-FLEX1000+C 19x20	0.18	19.0	20.0 m	Grey (GY)	710-10609
	0.18	19.0	20.0 m	Red (RD)	710-10604
HTAPE-FLEX1000+ C 19x20	0.18	19.0	20.0 m	White (WH)	710-10607
HTAPE-FLEX1000+ C19x20	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

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



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



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.

MATERIAL	Polyvinylchloride (PVC)
Dielectric Strength	48 kV/mm
Adhesion to Steel	3.1 N/10 mm
Adhesion to Backing	2.5 N/10 mm
Elongation at break	300 %
Breaking Strength	40 N/10 mm
Operating Temperature	-18 °C to +105 °C

RoHS ✓

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.

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

RoHS

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

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



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	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-SHIELD320	0.45	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.

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

MATERIAL	Tin-plated copper (TNCU)
Elongation at break	5 %





High Temperature Tapes – Arc and Fireproofing Tape

HelaTape Power 410



HelaTape Power 410 is an unsupported, linerless, elastomeric tape used for arc and flame protection.

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

MATERIAL	Elastomer (PM)
Elongation at break	300 %

RoHS ✓

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 m	Black (BK)	711-10200
HTAPE-POWER600-38x6.7	0.76	38.0	6.7 m	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

MATERIAL	Natural Rubber (NR)
Operating Temperature	+80 °C
Intermittent Operating Temperature	+95 °C
Tensile Strength	2 N/mm ²
Elongation at break	300 %
Dielectric Strength	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.

MATERIAL	Isobutene-Isoprene-Rubber (butyl rubber) (IIR)
Operating Temperature	+90 °C
Intermittent Operating Temperature	+130 °C
Water Absorption	0.1 %
Volume Resistance	10 ¹⁵ Ω cm
Dielectric Strength	19.7 kV/mm



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-POWER650	3.20	38.0	1.5 m	Black (BK)	711-10300

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

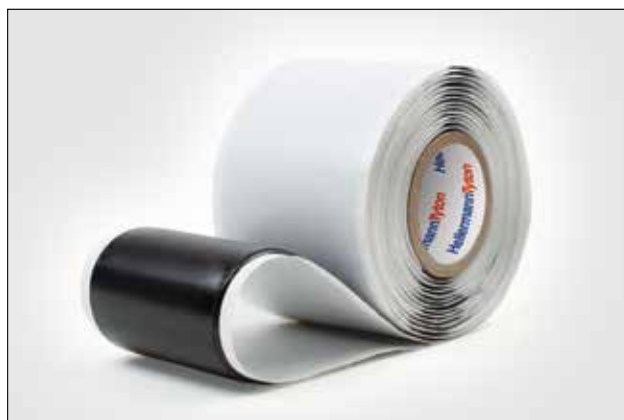


Self-amalgamating Tapes – Rubber Mastic Tape

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.

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

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

HF ✓

RoHS ✓

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.

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



TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HATAPE-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.

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

HF ✓

RoHS ✓

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.

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

HF ✓

RoHS ✓

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 for primary insulation up to 69 kV.

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

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



HelaTape Power 820 provides substantial time saving due to the linerless design.

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



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.

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

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



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

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
- Provides long term reliability under varying and extreme environmental conditions
- Excellent ageing resistance, stable against rotting

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

HF ✓ RoHS ✓

HelaTape Protect 180

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HATAPE-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.

HelaTape Protect 250

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HATAPE-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 – Strong, High Temperature Cloth Tape

HelaTape Protect 250



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

HF ✓ RoHS ✓



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

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



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

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



HelaTape Protect 300

TYPE	Thickness (T)	Width (W)	Length (L)	Colour	Article-No.
HTAPE-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.
HTAPE-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.



Connectors

HelaCon Plus

The HelaCon connectors are used for fast, easy and reliable connection and distribution of cable and conductors in the field of electrical housing applications. The connectors can be used in all kinds of junction boxes either on-wall or flush-mounted. HelaCon Plus offers the best possible solution when convenient processing and maximum safety is required.

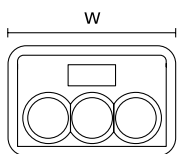
Features and Benefits

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

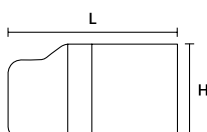


Connectors of the HelaCon Plus family offering multiple sizes and colours.

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



HelaCon Plus front view



HelaCon Plus side view



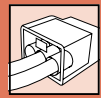
One Step to the Web!



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

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





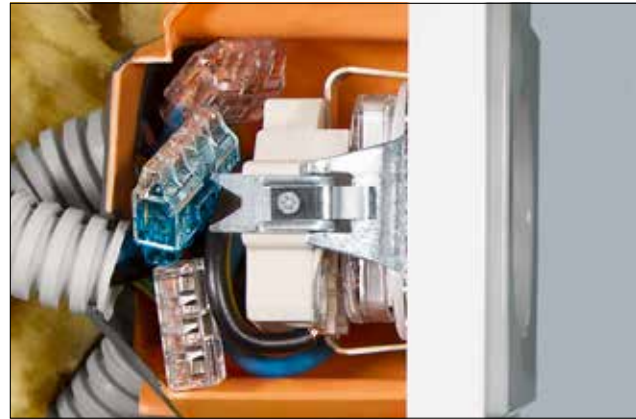
Connectors - For Solid and Stranded Wires

HelaCon Plus Mini

HelaCon connectors are used for fast, easy and reliable connection and distribution of cable and conductors in electrical installation applications. The new generation of HelaCon Plus Mini wire connectors can be applied tool-free using the push-in technology. HelaCon Plus Mini uses a double spring which is approved for solid and stranded wires.

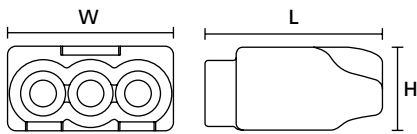
Features and benefits

- 40% smaller – Space saving design
- Low insertion force – Easy to use, saves time on installation
- Easy access to voltage test entry and innovative port shape design
- Correct installation can be visually checked through transparent housing
- Different colour codes for easy identification of size
- Allows different conductor diameters in each entry
- Safe application, installation and maintenance
- Practical Variobox with 350 pcs. of selected HCPM wire connectors available (148-90046)



HelaCon Plus Mini fits perfect in every space limited situation.

MATERIAL	Polycarbonate (PC)
Max Current	24 A
Max Voltage	450 V
Wire Range (VDE)	0.5 to 2.5 mm ² solid wires / 1.0 to 2.5 mm ² stranded wires
Stripping Length	11 mm
Flammability	UL94 V0
Operating Temperature	-30 °C to +85 °C



HelaCon Plus Mini front view

HelaCon Plus Mini side view



One Step to the Web!

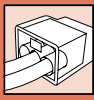


TYPE	Drawing	Number of Conductors	Colour	Width (W)	Height (H)	Length (L)	Pack Cont.	Article-No.
HCPM-2		2	Yellow (YE)	10.8	7.7	16.5	150 pcs.	148-90036
HCPM-3		3	Orange (OG)	15.1	7.7	16.5	100 pcs.	148-90037
HCPM-4		4	Transparent (CL)	19.4	7.7	16.5	100 pcs.	148-90038
HCPM-5		5	Blue (BU)	23.7	7.7	16.5	75 pcs.	148-90039
HCPM-6		6	Violet (VT)	28.0	7.7	16.5	50 pcs.	148-90040
HCPM-8		8	Black (BK)	36.6	7.7	16.5	50 pcs.	148-90041
HCPM Variobox 350		-	Transparent (CL)	-	7.7	16.5	350 pcs.	148-90046

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



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



Connectors - For Solid Wires

HelaCon Easy

The compact connector size fits perfect in tight spaces and it can generally be used in all kinds of junction boxes either on-wall or flush-mounted. HelaCon Easy is used to connect solid wires in the field of electrical installation.

Features and benefits

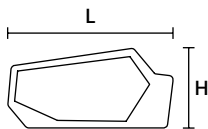
- Fast, easy, reliable push-in wire connectors for solid wires
- For connection and distribution of conductors in electrical housing
- Variety of input poles for flexible application
- Wire diameters from 1.0 up to 2.5 mm²
- Smaller diameters from 0.5 up to 1.5 mm² possible with HECE 1.5



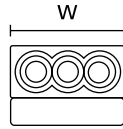
The compact design of HelaCon Easy fits perfectly in tight spaces.



One Step to the Web!



HelaCon Easy wire connector side view



HelaCon Easy wire connector front view

MATERIAL	Polyamide 6.6 (PA66)	
Wire Range (VDE)	0.5 - 1.5 mm ² solid	1.0 - 2.5 mm ² solid
Max Current	17.5 A	24 A
Max Voltage	450 V	
Stripping Length	11 mm	
Flammability	UL94 V2	
Operating Temperature	-30 °C to +110 °C (VDE), -30 °C to +105 °C (cULus)*	



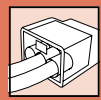
TYPE	Drawing	Wire Range (VDE) in mm ²	Number of Conductors	Colour	Width (W)	Height (H)	Length (L)	Pack Cont.	Article-No.
HECE-2		1.0 - 2.5 solid	2	Grey (GY)	10.5	9.5	19.5	100 pcs.	148-90006
HECE-3		1.0 - 2.5 solid	3	Grey (GY)	13.5	9.5	19.7	100 pcs.	148-90035
HECE-4		1.0 - 2.5 solid	4	Grey (GY)	17.2	9.5	19.7	100 pcs.	148-90008
HECE-5		1.0 - 2.5 solid	5	Grey (GY)	21.1	9.5	19.7	100 pcs.	148-90009
HECE-8		1.0 - 2.5 solid	8	Grey (GY)	17.8	14.5	17.8	50 pcs.	148-90010
HECE-3x1.5		0.5 - 1.5 solid	3	Grey (GY)	11.4	8.8	18.5	100 pcs.	148-90013
HECE-5x1.5		0.5 - 1.5 solid	5	Grey (GY)	17.2	8.8	18.5	100 pcs.	148-90015
HECE-8x1.5		0.5 - 1.5 solid	8	Grey (GY)	26.0	8.8	18.5	75 pcs.	148-90018

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. * Deviating value for Article-No.148-90010: -30 °C to +85 °C (CULus).



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



Connectors - For Lighting Installation

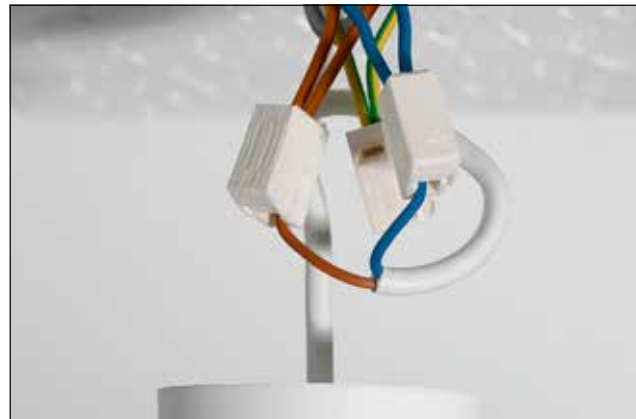
HelaCon Lux

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

There are two types of cable insertion port on each side of the HelaCon Lux connector, one is a conventional push in wire type suitable for solid cable, whilst the other side is suitable for flexible cable and is inserted by pressing the locking mechanism and can be released in the same way at any time. The lighting side can accept any kind of conductor and makes HelaCon Lux connectors also useful to connect devices that use flexible connecting cables such as control devices for smart home applications e.g. for blinds, fans, heating & cooling.

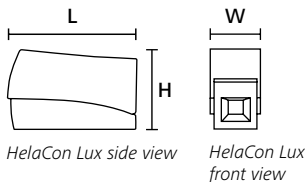
Features and benefits

- Best suitable to connect solid with flexible wire
- Combines push-in connector with lock / unlock spring mechanism
- For solid, stranded and fine-stranded conductors at lighting input from 0.5 to 2.5 mm²
- For solid wires from 0.75 up to 2.5 mm² on the installation side
- Use with typical housing current of 450 V / 24 A
- Either one or two inputs for solid conductor on installation side
- Very flexible application
- Tool-free application for easy, time-saving, safe connection
- Especially for overhead work and when wires are difficult to access



Quick installation and release of lights with HelaCon Lux.

MATERIAL	Polyamide 6.6 (PA66)
Max Current	24 A
Max Voltage	450 V
Wire Range (VDE)	0.5 - 2.5 mm ²
Flammability	UL94 V2
Operating Temperature	-5 °C to +100 °C



HelaCon Lux side view

HelaCon Lux front view



One Step to the Web!

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

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



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



RELICON cast resin technology by HellermannTyton

Cast resin cable joints are applied wherever cable and wiring connections are submersed or buried underground.

Cast resin joints are exposed to high stress, so the cured two-component cast resin must deliver reliable long-term mechanical protection against external influences on the cable connection.

RELICON cast resin cable joints create reliable connections in the ground. They protect cables from thermal stress, moisture and dust. They are resistant to all environmental influences and are ecologically safe. RELICON supplies polyurethane (PUR) cable joints suitable for universal use in the majority of applications scenarios. Epoxy resin (EP) cable joints are available for chemical and oil processing industries.



One Step to the Web!



RELICON Safe Filling (SF) technology.

RELICON by HellermannTyton



RELICON SF technology: safe and easy filling

The special "Safe Filling" (SF) system makes RELICON cast resin joint products a pleasure to work with.

When followed correctly, SF ensures that any hazardous contact with the cast resin can be avoided and the fitter has visual control of the mixing and filling steps at all times.

Resin and hardener are mixed in a transparent double-chamber pouch. The mixture can be easily poured into the joint sleeve once the supplied nozzle is securely pressed onto the adapter ring in the pouch. The transparent cable joint parts guarantee that the fitter can visually control the entire filling process. The hydrophobic (dewatering) cast resin is environmentally safe. The mixture can be disposed of as regular household waste.

Excellent hydrolytic stability makes RELICON cast resins particularly suitable for reliable long-term applications.



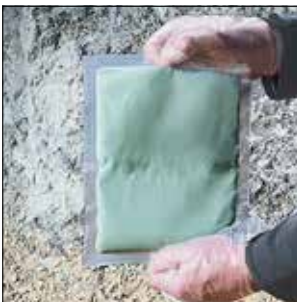
Transparent 2-chamber pouch for an optimized visual inspection of the mixing process.



The middle cold seal between the resin and hardener component opens by means of pressure.



Simple mixing of the two components.



The patented color change gives the correct mixing process.



Automatic and leakproof opening of the pouch through installation of the filling nozzle.



The filling nozzle in combination with the adapter makes filling the joint very easy and efficient.

Date of issue: 01/2018



Straight-through joint without connectors

RELICON i-Line SF

RELICON straight-through joints are made for installations in low-voltage electrical networks. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

Application: Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- Two-part, impact-proof, transparent moulding shells
- Compact, optimized dimensions
- Standard cable diameters indicated on the shells
- Safe-Filling system (SF)
- Immediately ready for use
- Longitudinally and transversely watertight
- Joint can be cast under influence of water

Content of Set / Kit

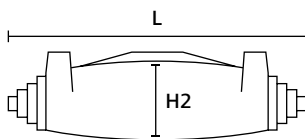
- Cast resin PUR 33
- Two-chamber pouch, transparent
- Moulding shells, transparent
- SF-system and nozzle
- Protective gloves, emery cloth, installation instructions
- HelaTape PVC insulating tape
- Spacer for max. 5 core cable (i-1 to i-4)



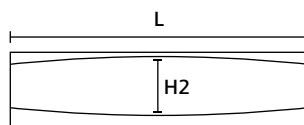
Straight-through joint i-Line SF (safe filling).

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS



i-Line (i-0 - i-6)



i-Line (i-7)

Without connector!



One Step to the Web!

TYPE	Ø Main Cable	Main Cable mm ²		Length (L)	Height (H2)	Resin Quantity	Article-No.
		min	max				
i-0 / SF EMEA	7-16	3 x 1.5	5 x 2.5	182.0	25.0	95 ml / 130 g	435-12019
i-1 / SF EMEA	8-24	3 x 1.5	4 x 10 / 5 x 6	190.0	36.0	165 ml / 226 g	435-12000
i-1.5 / SF EMEA	8-24	3 x 1.5	4 x 16 / 5 x 10	215.0	39.0	220 ml / 301 g	435-12001
i-2 / SF EMEA	14-30	5 x 1.5	4 x 25 / 5 x 16	276.0	49.0	400 ml / 548 g	435-12002
i-3 / SF EMEA	23-35	5 x 10	4 x 50 / 5 x 35	360.0	54.0	655 ml / 897 g	435-12003
i-4 / SF EMEA	28-47	4 x 25	4 x 95	400.0	69.0	1140 ml / 1562 g	435-12004
i-5 / SF EMEA	33-55	4 x 50	4 x 150	520.0	100.0	2 x 1450 ml / 1987 g	435-12005
i-6 / SF EMEA	48-70	4 x 150	4 x 240	700.0	128.0	4 x 1640 ml / 2247 g	435-12006
i-7 / SF EMEA	55-77	4 x 185	4 x 400	870.0	140.0	5 x 1950 ml / 2672 g	435-12007

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



Straight-through joint with connectors

RELICON i-Line Premium SF

RELICON Premium straight-through joints are provided with an integrated connector block and made for low-voltage electrical networks. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

Application: Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- Two-part, impact-proof, transparent moulding shells
- Compact, optimized dimensions
- Standard cable diameters indicated on the shells
- Safe-Filling system (SF)
- Immediately ready for use
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Connectors for aluminium and copper conductors
- Safe connection for up to 5 core cables

Content of Set / Kit

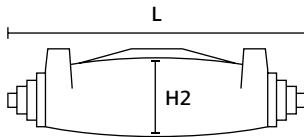
- Cast resin PUR 33
- Two-chamber pouch, transparent
- Moulding shells, transparent
- SF-system and nozzle
- Protective gloves, emery cloth, installation instructions
- HelaTape PVC insulating tape
- Connector block with 5 screw connectors incl. allen key



Straight-through joint i-Line SF (safe filling).

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS ✓



i-Line Premium

i With connector!

TYPE	Ø Main Cable	Main Cable mm ²		Length (L)	Height (H2)	Resin Quantity	Article-No.
		min	max				
i-1 Premium SF EMEA	8-24	3 x 1.5	5 x 6	190.0	36.0	165 ml / 226 g	435-12020
i-2 Premium SF EMEA	14-30	5 x 1.5	5 x 16	276.0	49.0	400 ml / 548 g	435-12021
i-3 Premium SF EMEA	23-35	5 x 6	5 x 35	360.0	54.0	655 ml / 897 g	435-12022

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



Flexible straight-through joint

RELICON F-Line SF

The flexible RELICON F-Line straight-through joint for low voltage applications can be used to repair and connect flexible cables made of PVC, PUR, EPR like H05RR-F, H07RN-F, etc.

Application: Cable drum, underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- Reelable and permanently flexible also at sub-zero temperatures
- Very good adhesion even under permanent bending stress
- Quick and easy installation
- Immediately ready for use
- Longitudinally and transversely watertight
- High abrasion resistance
- Resistant to alkaline earths, chemical influences and UV-radiation

Content of Set / Kit

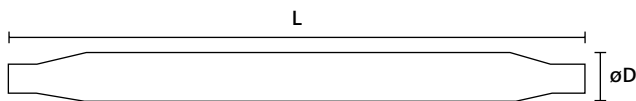
- PUR 44 Flex cast resin
- Two-chamber pouch, transparent
- Moulding shells with accessories
- SF-nozzle
- Protective gloves, emery cloth, installation instructions
- HelaTape self-amalgamating tape
- Cleaning cloth, plastic fabric strips



Flexible straight-through joint F-Line.

MATERIAL	Polyurethane resin 44 Flex (PUR44 Flex)
Colour	Black (BK)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	24 months

RoHS



F-Line

Without connector!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Length (L)	Ø D	Resin Quantity	Article-No.
F-11 / SF	11-16	4 x 1.5	5 x 4	375.0	31.0	250 ml / 300 g	435-00200
F-12 / SF	17-20	4 x 4	5 x 6	375.0	34.0	350 ml / 420 g	435-00201
F-13 / SF	21-27	4 x 10	5 x 16	450.0	42.0	400 ml / 480 g	435-00202
F-14 / SF	25-32	4 x 16	5 x 25	450.0	42.0	600 ml / 720 g	435-00203
F-15 / SF	30-38	4 x 25	5 x 35	440.0	46.0	655 ml / 786 g	435-00204

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



Branch joints

RELICON Y-Line SF

RELICON branch joints are made for installations in low-voltage electrical networks. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

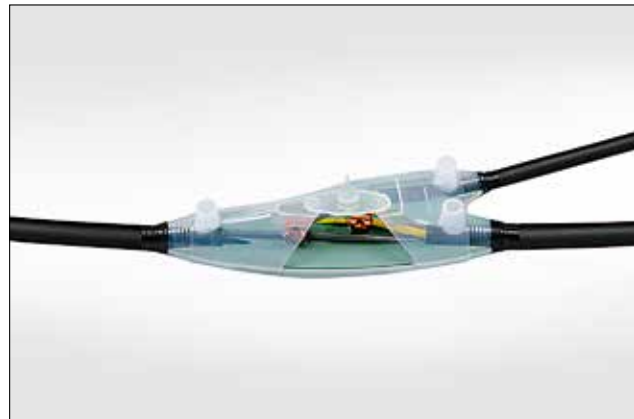
Application: Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- Two-part, impact-proof, transparent moulding shells
- Compact, optimized dimensions
- Standard cable diameters indicated on the shells
- SF-system
- Immediately ready for use
- Longitudinally and transversely watertight
- Joint can be cast under influence of water

Content of Set / Kit

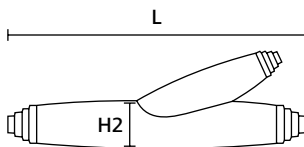
- Cast resin PUR 33
- Two-chamber pouch, transparent
- Moulding shells, transparent
- SF-system and nozzle
- Protective gloves, emery cloth, installation instructions
- HelaTape PVC insulating tape



Branch joint Y-Line SF (safe filling).

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS ✓



Y-Line

i Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Angle	Branch Cable mm ² min - max		Length (L)	Height (H2)	Resin Quantity	Article-No.
Y-1 / SF	8-22	3 x 1.5	5 x 10	10-22	30 °	3 x 1.5	5 x 6	205.0	70.0	490 ml / 671 g	435-12009
Y-0 / SF	10-24	3 x 1.5	4 x 10	10-24	30 °	3 x 1.5	4 x 4	190.0	60.0	240 ml / 329 g	435-12008
Y-3 / SF	10-40	4 x 16	5 x 16	13-28	20 °	4 x 10	5 x 10	330.0	90.0	955 ml / 1308 g	435-12023
Y-2 / SF	25-33	4 x 16	5 x 25	15-30	20 °	4 x 6	5 x 16	350.0	98.0	1445 ml / 1980 g	435-12010
Y-6 / SF	30-55	4 x 95	4 x 185	17-40	20 °	4 x 10	4 x 70	430.0	130.0	-	435-12012
Y-5 / SF	35-51	4 x 25	4 x 150	17-33	15 °	4 x 10	4 x 50	298.0	120.0	2045 ml / 2802 g	435-12011

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



Branch joints

RELICON T-Line SF

RELICON branch joints are made for installations in low-voltage electrical networks. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

Application: Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- Two-part, impact-proof, transparent moulding shells
- Compact, optimized dimensions
- Standard cable diameters indicated on the shells
- SF-system
- Immediately ready for use
- Longitudinally and transversely watertight
- Joint can be cast under influence of water

Content of Set / Kit

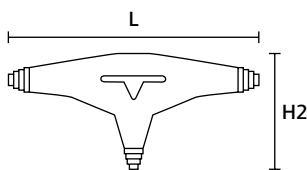
- Cast resin PUR 33
- Two-chamber pouch, transparent
- Moulding shells, transparent
- SF-system and nozzle
- Protective gloves, emery cloth, installation instructions
- HelaTape PVC insulating tape



Branch joint T-Line SF (safe filling).

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS ✓



T-Line



**Without
branch connector!**

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Angle	Branch Cable mm ² min - max		Length (L)	Height (H2)	Resin Quantity	Article-No.
T-1 / SF EMEA	16-26	5 x 1.5	5 x 10	10-24	90 °	3 x 1.5	5 x 6	276.0	177.0	455 ml / 623 g	435-12024
T-2 / SF EMEA	25-32	5 x 6	5 x 16	18-25	90 °	5 x 1.5	5 x 10	380.0	225.0	2045 ml / 2802 g	435-12025
T-3 / SF EMEA	29-40	5 x 10	5 x 50	20-30	90 °	5 x 6	5 x 16	520.0	205.0	2 x 1450 ml / 1987 g	435-12026

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



Parallel branch joint house connections

RELICON PAH-1

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

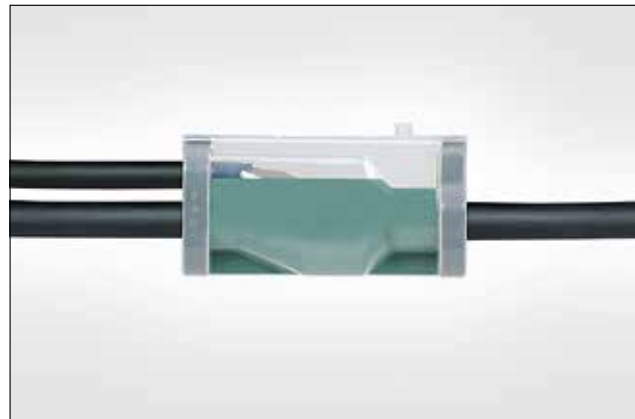
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

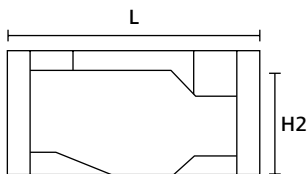
Content of Set / Kit

- Cast resin PUR 33, 1900 ml/2603 g
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PAH-1 120/290, house connector set.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months



PAH-1

TYPE	Ø Main Cable	Main Cable mm ²		Ø Branch Cable	Branch Cable mm ²		Length (L)	Height (H2)	Connector	Pack	Article-No.
		min - max	min - max		min - max	min - max					
PAH-1-120/290-B-SF	30-50	4 x 16	4 x 150	18-33	4 x 35	4 x 150	290.0	120.0	none	Bag	435-00153
PAH-1-120/290-C-S	30-50	4 x 35	4 x 95	18-33	4 x 16	4 x 50	290.0	120.0	Isicompact-S	Can	435-00167
PAH-1-120/290-B-SF-S	30-50	4 x 35	4 x 95	18-33	4 x 16	4 x 50	290.0	120.0	Isicompact-S	Bag	435-00173
PAH-1-120/290-C	30-50	4 x 35	4 x 150	18-33	4 x 16	4 x 50	290.0	120.0	none	Can	435-00159
PAH-1-120/290-C-M	30-50	4 x 35	4 x 150	18-33	4 x 16	4 x 50	290.0	120.0	Isicompact-M	Can	435-00164
PAH-1-120/290-B-SF-M	30-50	4 x 35	4 x 150	18-33	4 x 16	4 x 50	290.0	120.0	Isicompact-M	Bag	435-00170

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



Parallel branch joint house connections

RELICON PAH-2

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

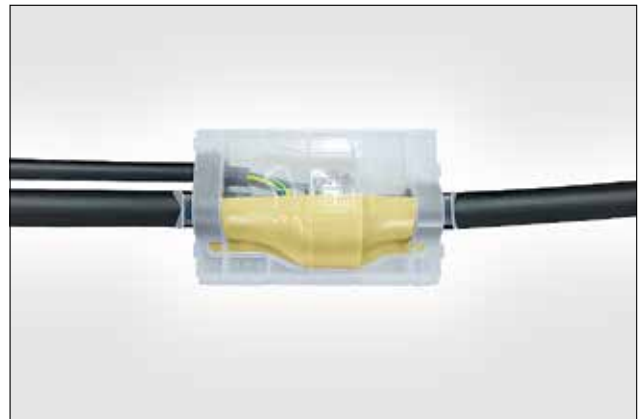
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

Content of Set / Kit

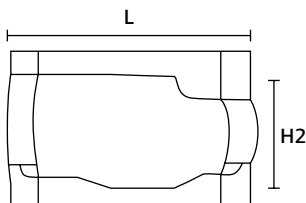
- Cast resin Reliflex, 1950 ml/2379 g, non-toxic
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PAH-2 130/300, house connector set.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

RoHS



PAH-2

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Connector	Pack	Article-No.
PAH-2-130/300-C-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-S	Can	435-00864
PAH-2-130/300-B-SF-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-S	Bag	435-00868
PAH-2-130/300-B-SF	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	none	Bag	435-00855
PAH-2-130/300-C	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	none	Can	435-00858
PAH-2-130/300-C-M	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-M	Can	435-00862
PAH-2-130/300-B-SF-M	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-M	Bag	435-00866

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



Parallel branch joint house connections

RELICON PAH-2

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

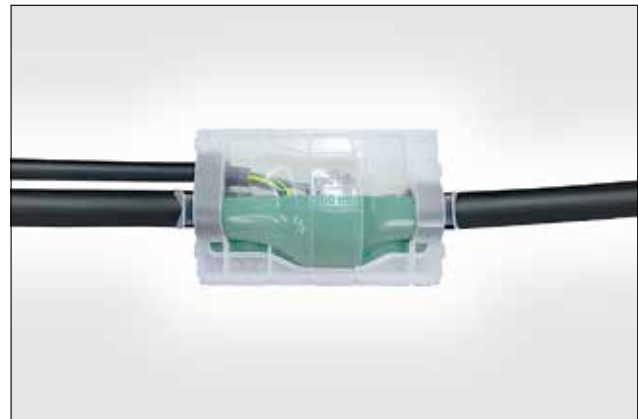
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

Content of Set / Kit

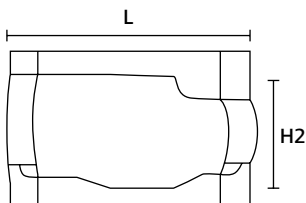
- Cast resin PUR 33, 1950 ml/2672 g
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PAH-2 130/300, house connector set.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS ✓



PAH-2

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Connector	Pack	Article-No.
PAH-2-130/300-C-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-S	Can	435-00168
PAH-2-130/300-B-SF-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-S	Bag	435-00174
PAH-2-130/300-B-SF	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	none	Bag	435-00154
PAH-2-130/300-C	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	none	Can	435-00160
PAH-2-130/300-C-M	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-M	Can	435-00165
PAH-2-130/300-B-SF-M	27-49	4 x 35	4 x 150	15-33	4 x 6	4 x 70	300.0	130.0	Isicompact-M	Bag	435-00171

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



Parallel branch joint house connections

RELICON PAH-3 non-toxic

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

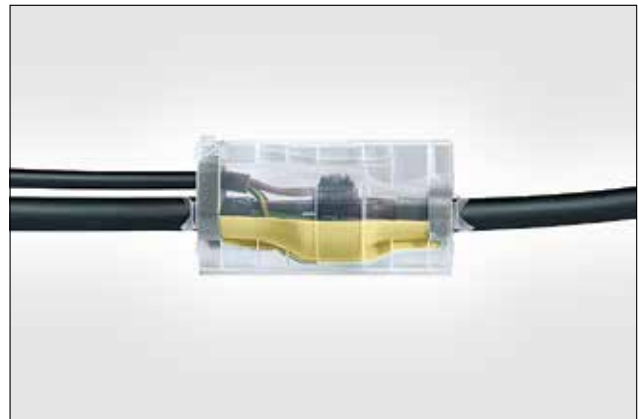
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

Content of Set / Kit

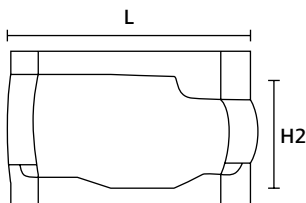
- Cast resin Reliflex, 2800 ml/3416 g, non-toxic
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PAH-3 135/360, house connector set.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

RoHS



PAH-3

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Connector	Pack	Article-No.
PAH-3-135/360-B-SF	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	360.0	135.0	none	Bag	435-00856
PAH-3-135/360-C-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-S	Can	435-00865
PAH-3-135/360-B-SF-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-S	Bag	435-00869
PAH-3-135/360-C	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	none	Can	435-00859
PAH-3-135/360-C-M	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-M	Can	435-00863
PAH-3-135/360-B-SF-M	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-M	Bag	435-00867

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



Parallel branch joint house connections

RELICON PAH-3

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

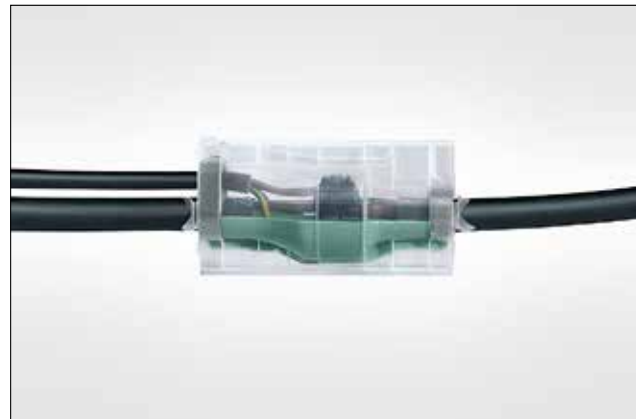
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

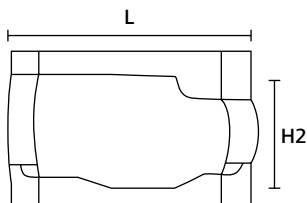
Content of Set / Kit

- Cast resin PUR 33, 2800 ml/3836 g
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PAH-3 135/360, house connector set.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months



PAH-3

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Connector	Pack	Article-No.
PAH-3-135/360-C-S	27-49	4 x 35	4 x 70	15-33	4 x 6	4 x 95	360.0	135.0	Isicompact-S	Can	435-00169
PAH-3-135/360-B-SF-S	27-49	4 x 35	4 x 95	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-S	Bag	435-00175
PAH-3-135/360-B-SF	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	none	Bag	435-00155
PAH-3-135/360-C	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	none	Can	435-00161
PAH-3-135/360-C-M	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-M	Can	435-00166
PAH-3-135/360-B-SF-M	27-49	4 x 35	4 x 185	15-33	4 x 6	4 x 70	360.0	135.0	Isicompact-M	Bag	435-00172

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



Parallel branch joint house connections

RELICON PAH-4

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

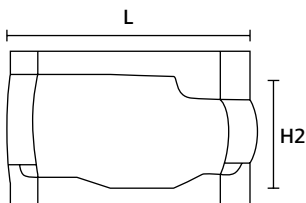
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

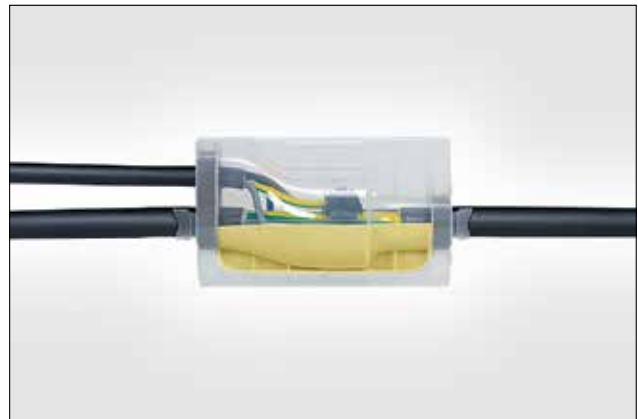
- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

Content of Set / Kit

- Cast resin Reliflex, 3900 ml/4758 g, non-toxic
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



PAH-4



Parallel branch joint PAH-4 140/420, house connector set.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

RoHS



Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ²		Ø Branch Cable	Branch Cable mm ²		Length (L)	Height (H2)	Connector	Pack	Article-No.
		min	max		min	max					
PAH-4-140/420-B-SF	27-58	4 x 70	4 x 240	15-49	4 x 70	4 x 240	420.0	140.0	none	Bag	435-00857
PAH-4-140/420-C	27-58	4 x 70	4 x 240	15-49	4 x 70	4 x 240	420.0	140.0	none	Can	435-00860

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

Parallel branch joint house connections

RELICON PAH-4

The parallel branch joint PAH is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

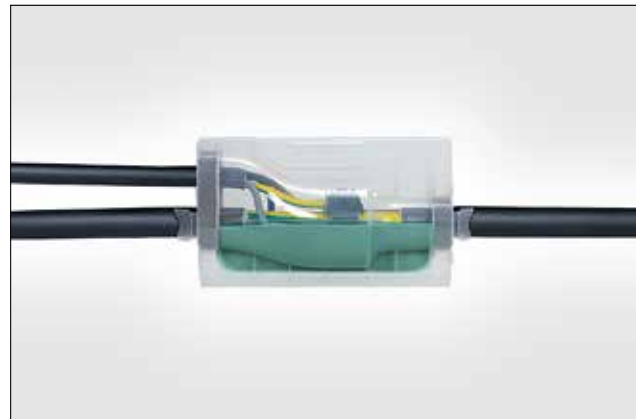
Application: In low-voltage electrical networks as branch joint for building connections. Underground, submerged, outdoor, indoor.

Features and Benefits

- Impact-proof, transparent moulding shell
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- SF-system
- Joint can be cast under influence of water
- Immediately ready for use
- Suitable for all compact tap connectors

Content of Set / Kit

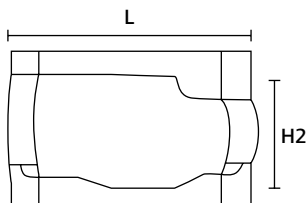
- Cast resin PUR 33, 3900 ml/5343 g
- In a two-chamber pouch or in cans
- Transparent moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, cable kit, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PAH-4 140/420, house connector set.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS 



PAH-4

 **Without branch connector!**

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Connector	Pack	Article-No.
PAH-4-140/420-B-SF	27-58	4 x 70	4 x 240	15-49	4 x 70	4 x 240	420.0	140.0	none	Bag	435-00156
PAH-4-140/420-C	27-58	4 x 70	4 x 240	15-49	4 x 70	4 x 240	420.0	140.0	none	Can	435-00162

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



Parallel branch joint

RELICON PA-11, non-toxic

The parallel branch joint PA is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

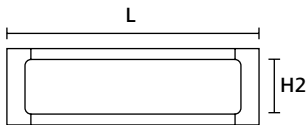
Application: In low-voltage electrical networks as well as for signal and communication cables. For power supply lines for outdoor lighting and for cable repairs. Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- One-piece, impact-proof, transparent moulding shell
- Captive lids
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Immediately ready for use

Content of Set / Kit

- Cast resin Reliflex, non-toxic
- In a two-chamber pouch or in cans
- Transparent, one-piece moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



PA-11



Parallel branch joint PA-11 58/230.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

RoHS

i Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Resin Quantity	Pack	Article-No.
PA-11-58/230-B-SF	13-21	4 x 1.5	5 x 10	13-21	4 x 1.5	5 x 10	230.0	58.0	490 ml / 598 g	Bag	435-00850
PA-11-58/230-C	13-21	4 x 1.5	5 x 10	13-21	4 x 1.5	5 x 10	230.0	58.0	490 ml / 598 g	Can	435-00853

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



Parallel branch joint

RELICON PA-11

The parallel branch joint PA is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

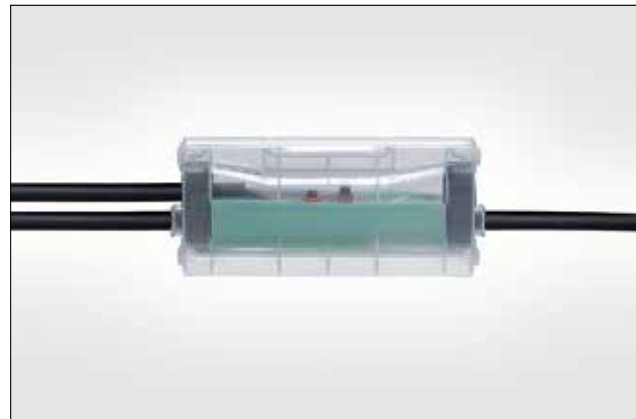
Application: In low-voltage electrical networks as well as for signal and communication cables. For power supply lines for outdoor lighting and for cable repairs. Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- One-piece, impact-proof, transparent moulding shell
- Captive lids
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Immediately ready for use

Content of Set / Kit

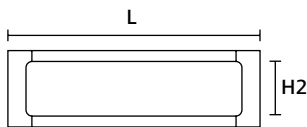
- Cast resin PUR 33
- In a two-chamber pouch or in cans
- Transparent, one-piece moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PA-11 58/230.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS ✓



PA-11

i Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Resin Quantity	Pack	Article-No.
PA-11-58/230-B-SF	13-21	4 x 1.5	5 x 10	13-21	4 x 1.5	5 x 10	230.0	58.0	490 ml / 671 g	Bag	435-00150
PA-11-58/230-C	13-21	4 x 1.5	5 x 10	13-21	4 x 1.5	5 x 10	230.0	58.0	490 ml / 671 g	Can	435-00157

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



Parallel branch joint

RELICON PA-12, non-toxic

The parallel branch joint PA is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

Application: In low-voltage electrical networks as well as for signal and communication cables. For power supply lines for outdoor lighting and for cable repairs. Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- One-piece, impact-proof, transparent moulding shell
- Captive lids
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Immediately ready for use

Content of Set / Kit

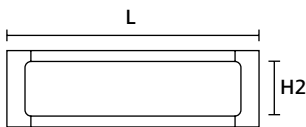
- Cast resin Reliflex, non-toxic
- In a two-chamber pouch or in cans
- Transparent, one-piece moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PA-12 75/300.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

RoHS



PA-12

Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ²		Ø Branch Cable	Branch Cable mm ²		Length (L)	Height (H2)	Resin Quantity	Pack	Article-No.
		min - max	min - max		min - max	min - max					
PA-12-75/300-B-SF	17-29	4 x 16	5 x 25	13-22	4 x 6	5 x 16	300.0	75.0	955 ml / 1165 g	Bag	435-00851
PA-12-75/300-C	17-29	4 x 16	5 x 25	13-22	4 x 6	5 x 16	300.0	75.0	955 ml / 1165 g	Can	435-00854

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



Parallel branch joint

RELICON PA-12

The parallel branch joint PA is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

Application: In low-voltage electrical networks as well as for signal and communication cables. For power supply lines for outdoor lighting and for cable repairs. Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- One-piece, impact-proof, transparent moulding shell
- Captive lids
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Immediately ready for use

Content of Set / Kit

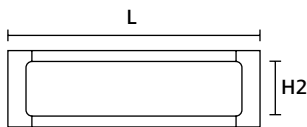
- Cast resin PUR 33
- In a two-chamber pouch or in cans
- Transparent, one-piece moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PA-12 75/300.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS



PA-12

Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ²		Ø Branch Cable	Branch Cable mm ²		Length (L)	Height (H2)	Resin Quantity	Pack	Article-No.
		min	max		min	max					
PA-12-75/300-B-SF	17-29	4 x 16	5 x 25	13-22	4 x 6	5 x 16	300.0	75.0	955 ml / 1308 g	Bag	435-00151
PA-12-75/300-C	17-29	4 x 16	5 x 25	13-22	4 x 6	5 x 16	300.0	75.0	955 ml / 1308 g	Can	435-00158

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



Parallel branch joint

RELICON PA-13, non-toxic

The parallel branch joint PA is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

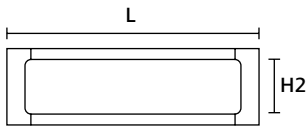
Application: In low-voltage electrical networks as well as for signal and communication cables. For power supply lines for outdoor lighting and for cable repairs. Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- One-piece, impact-proof, transparent moulding shell
- Captive lids
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Immediately ready for use

Content of Set / Kit

- Cast resin Reliflex, non-toxic
- In a two-chamber pouch or in cans
- Transparent, one-piece moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



PA-13



Parallel branch joint PA-13 95/420.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

RoHS

i Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Resin Quantity	Pack	Article-No.
PA-13-95/420-B-SF	27-35	4 x 10	5 x 35	21-30	4 x 25	5 x 35	420.0	95.0	2240 ml / 2733 g	Bag	435-00852
PA-13-95/420-C	27-35	4 x 10	5 x 35	21-30	4 x 25	5 x 35	420.0	95.0	2240 ml / 2733 g	Can	435-00861

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



Parallel branch joint

RELICON PA-13

The parallel branch joint PA is a universal straight-through and branch joint. Depending on the connector, it can be used for single and double branches. They are suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR and utility cables.

Application: In low-voltage electrical networks as well as for signal and communication cables. For power supply lines for outdoor lighting and for cable repairs. Underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

- One-piece, impact-proof, transparent moulding shell
- Captive lids
- Compact, optimized dimensions
- Longitudinally and transversely watertight
- Joint can be cast under influence of water
- Immediately ready for use

Content of Set / Kit

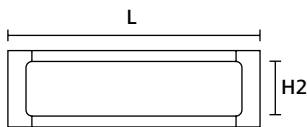
- Cast resin PUR 33
- In a two-chamber pouch or in cans
- Transparent, one-piece moulding shell
- Foam seal, protective gloves, emery cloth
- Cleaning cloth, installation instructions
- SF-nozzle (two-chamber pouch)
- Mixing stick (can)



Parallel branch joint PA-13 95/420.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months

RoHS ✓



PA-13

i Without branch connector!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Ø Branch Cable	Branch Cable mm ² min - max		Length (L)	Height (H2)	Resin Quantity	Pack	Article-No.
PA-13-95/420-B-SF	27-35	4 x 10	5 x 35	21-30	4 x 25	5 x 35	420.0	95.0	2240 ml / 3069 g	Bag	435-00152
PA-13-95/420-C	27-35	4 x 10	5 x 35	21-30	4 x 25	5 x 35	420.0	95.0	2240 ml / 3069 g	Can	435-00163

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

RELICON expertise for cast resins and gels: Choose the right product for your application.

PRODUCT FAMILY	Pot Life	Shore Hardness A	Shore Hardness D	Operating Temperature	Dielectric Strength	Shelf Life	Exothermicity max.	Removable	
Two-component polyurethane cast resin									
RELICON PUR 33	43 min. 5 °C, 15 min. 23 °C, 8 min. 40 °C	–	65±5	-25 °C to +120 °C	38 kV/mm	48 months	+71 °C	–	
RELICON PUR 66	43 min. 5 °C, 15 min. 23 °C, 8 min. 40 °C	–	68±5	-25 °C to +120 °C	38 kV/mm	48 months	+71 °C	–	
RELICON PUR 661 LP	130 min. 5 °C, 40 min. 23 °C, 20 min. 40 °C	–	56±5	-25 °C to +120 °C	>20 kV/mm	48 months	+58 °C	–	
RELICON PUR 771	50 min. 5 °C, 15 min. 23 °C, 5 min. 40 °C	–	56±5	-25 °C to +130 °C	>20 kV/mm	36 months	+71 °C	–	
RELICON PUR 44 Flex	35 min. 5 °C, 15 min. 23 °C, 6 min. 40 °C	60±5	–	-25 °C to +120 °C	20 kV/mm	24 months	+80 °C	–	
RELICON PUR 112 FR	50 min. 5 °C, 15 min. 23 °C, 5 min. 40 °C	–	80±5	-25 °C to +130 °C	>20 kV/mm	36 months	+71 °C	–	
Two-component cold casting compound									
RELICON Reliflex	40 min. 5 °C, 20 min. 23 °C, 10 min. 40 °C	20±5	–	-40 °C to +90 °C	>10 kV/mm	36 months	–	Yes	
Two-component epoxy resin									
RELICON EP 64	32 min. 5 °C, 13 min. 23 °C, 8 min. 35 °C	–	80±5	-20 °C to +140 °C	>20 kV/mm	48 months	+140 °C	–	
RELICON EP 20	8 min. 40 °C, 18 min. 23 °C, 35 min. 5 °C	–	70±5	-20 °C to +140 °C	>20 kV/mm	48 months	+100 °C	–	
Two-component gel									
RELICON KH 100	40 min. 23 °C	–	–	-40 °C to +90 °C	>20 kV/mm	18 months	–	Yes	
RELICON KH 67	40 min. 23 °C	–	–	-40 °C to +90 °C	>15 kV/mm	36 months	–	Yes	
Two-component silicone gel									
RELICON Religel	10 min. 23 °C	–	–	-40 °C to +140 °C	>20 kV/mm	Unlimited	–	Yes	

RELICON by HellermannTyton



	Flexible	Vibrations absorbing	Colour	Viscosity
	–	–	Green (GN)	4500 mPa*s, 5 °C (EN ISO 2555), 3000 mPa*s, 23 °C (EN ISO 2555)
	–	–	Black (BK)	4500 mPa*s, 5 °C (EN ISO 2555), 3000 mPa*s, 23 °C (EN ISO 2555)
	–	–	Black (BK)	4000 mPa*s, 5 °C (EN ISO 2555), 2000 mPa*s, 23 °C (EN ISO 2555)
	–	–	Black (BK)	4000 mPa*s, 5 °C (EN ISO 2555), 2000 mPa*s, 23 °C (EN ISO 2555)
	Yes	Yes	Black (BK)	2500 mPa*s, 23 °C (EN ISO 2555)
	–	–	Beige (BGE)	1500 mPa*s, 23 °C (EN ISO 2555), 3000 mPa*s, 5 °C (EN ISO 2555)
	–	Yes	Yellow (YE)	5000 mPa*s, 5 °C (EN ISO 2555), 3300 mPa*s, 23 °C (EN ISO 2555)
	–	–	Black (BK)	3700 mPa*s, 23 °C (EN ISO 2555)
	–	–	Yellow (YE)	2000 mPa*s, 23 °C (EN ISO 2555)
	Yes	Yes	Transparent (CL)	2000 mPa*s, 5 °C (EN ISO 2555), 1500 mPa*s, 23 °C (EN ISO 2555)
	Yes	Yes	Transparent (CL), Yellow (YE)	3000 mPa*s, 5 °C (EN ISO 2555), 2000 mPa*s, 23 °C (EN ISO 2555)
	Yes	Yes	Transparent (CL), Green (GN)	1000 mPa*s, 23 °C (EN ISO 2555), 1500 mPa*s, 5 °C (EN ISO 2555)



Two-component polyurethane cast resin

RELICON PUR 33

The RELICON PUR 33 cast resin has been created for the electrical insulation and mechanical protection of cable connections in low-voltage electrical networks. Also suitable as mechanical and moisture protection on medium-voltage cable connections.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Colour changes from blue to green whilst mixing
- Safe-Filling system (SF)
- Excellent flow properties, low volume shrinkage
- Cold curing and very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR 33.

MATERIAL	Polyurethane resin 33 (PUR33)
Colour	Green (GN)
Operating Temperature	-25 °C to +120 °C
Mixing Ratio (weight)	100:26
Exothermicity max.	+71 °C
Gel Time	48 min. 5 °C, 20 min. 23 °C, 9 min. 40 °C
Pot Life	43 min. 5 °C, 15 min. 23 °C, 8 min. 40 °C
Dielectric Strength	38 kV/mm
Viscosity	4500 mPa*s, 5 °C (EN ISO 2555), 3000 mPa*s, 23 °C (EN ISO 2555)
Impact Strength	26 kJ/m ²
Shore Hardness D	65±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months



TYPE	Resin Quantity	Article-No.
Resin-33-B-SF	95 ml / 130 g	435-00250
	240 ml / 329 g	435-00251
	490 ml / 671 g	435-00252
	655 ml / 897 g	435-00253
	955 ml / 1308 g	435-00254
	1140 ml / 1562 g	435-00255
	1445 ml / 1980 g	435-00256
	1640 ml / 2247 g	435-00257
	1950 ml / 2672 g	435-00258
	2045 ml / 2802 g	435-00259

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



Two-component polyurethane cast resin

RELICON PUR 66

The RELICON PUR 66 cast resin has been created for the electrical insulation and mechanical protection of cable connections in medium-voltage electrical networks.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Excellent flow properties, low volume shrinkage
- Cold curing and very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR 66.

MATERIAL	Polyurethane resin 66 (PUR66)
Colour	Black (BK)
Operating Temperature	-25 °C to +120 °C
Mixing Ratio (weight)	100:26
Exothermicity max.	+71 °C
Gel Time	48 min. 5 °C, 9 min. 40 °C
Pot Life	43 min. 5 °C, 15 min. 23 °C, 8 min. 40 °C
Dielectric Strength	38 kV/mm
Viscosity	4500 mPa*s, 5 °C (EN ISO 2555), 3000 mPa*s, 23 °C (EN ISO 2555)
Impact Strength	26 kJ/m ²
Shore Hardness D	68±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months



TYPE	Resin Quantity	Article-No.
Resin-66-B-SF	95 ml / 130 g	435-00300
	165 ml / 226 g	435-00301
	220 ml / 301 g	435-00302
	240 ml / 329 g	435-00303
	400 ml / 548 g	435-00304
	455 ml / 623 g	435-00305
	490 ml / 671 g	435-00306
	655 ml / 897 g	435-00307
	955 ml / 1308 g	435-00308
	1140 ml / 1562 g	435-00309
	1445 ml / 1980 g	435-00310
	1640 ml / 2247 g	435-00311
	1950 ml / 2672 g	435-00312
2045 ml / 2802 g	435-00313	

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



Two-component polyurethane cast resin

RELICON PUR 771

The RELICON PUR 771 cast resin has been created for the electrical insulation and mechanical protection of cable connections in low-voltage electrical networks. Also suitable as mechanical and moisture protection on medium-voltage cable connections.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Excellent flow properties, low volume shrinkage
- Cold curing and very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR 771.

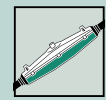
MATERIAL	Polyurethane resin 771 (PUR771)
Colour	Black (BK)
Operating Temperature	-25 °C to +130 °C
Mixing Ratio (weight)	100:22
Exothermicity max.	+71 °C
Gel Time	70 min. 5 °C, 20 min. 23 °C, 8 min. 40 °C
Pot Life	50 min. 5 °C, 15 min. 23 °C, 5 min. 40 °C
Dielectric Strength	>20 kV/mm
Viscosity	4000 mPa*s, 5 °C (EN ISO 2555), 2000 mPa*s, 23 °C (EN ISO 2555)
Impact Strength	16 kJ/m ²
Shore Hardness D	56±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months

HF ✓

RoHS ✓

TYPE	Resin Quantity	Article-No.
Resin-771-B-SF	95 ml / 130 g	435-01214
	240 ml / 329 g	435-01215
	490 ml / 671 g	435-01216
	655 ml / 897 g	435-01217
	955 ml / 1308 g	435-01218
	1140 ml / 1562 g	435-01219
	1445 ml / 1980 g	435-01220
	1640 ml / 2247 g	435-01221
	1950 ml / 2672 g	435-01222
	2045 ml / 2802 g	435-01223

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



Two-component polyurethane cast resin

RELICON PUR 44 Flex

The RELICON PUR 44 Flex cast resin has been created for the electrical insulation, mechanical protection and repair of flexible cable connections for the low-voltage electrical network.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Excellent flow properties, cold curing
- Resistance to moisture and atmospheric corrosion
- Vibration absorbing, abrasion and chemical resistant
- UV, ageing and weather resistant
- Reelable and permanently flexible, even at sub-zero temperatures
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR 44 Flex.

MATERIAL	Polyurethane resin 44 Flex (PUR44 Flex)
Colour	Black (BK)
Operating Temperature	-25 °C to +120 °C
Mixing Ratio (weight)	100:22
Exothermicity max.	+80 °C
Gel Time	35 min. 5 °C, 15 min. 23 °C, 6 min. 40 °C
Pot Life	35 min. 5 °C, 15 min. 23 °C, 6 min. 40 °C
Dielectric Strength	20 kV/mm
Viscosity	2500 mPa*s, 23 °C (EN ISO 2555)
Shore Hardness A	60±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	24 months



TYPE	Resin Quantity	Article-No.
Resin-44Flex-B-SF	95 ml / 114 g	435-00350
	165 ml / 198 g	435-00351
	220 ml / 264 g	435-00352
	240 ml / 288 g	435-00353
	400 ml / 480 g	435-00354
	455 ml / 546 g	435-00355
	490 ml / 588 g	435-00356
	655 ml / 786 g	435-00357
	955 ml / 1146 g	435-00358
	1140 ml / 1368 g	435-00359
	1445 ml / 1734 g	435-00360
	1640 ml / 1968 g	435-00361
	1950 ml / 2340 g	435-00362
2045 ml / 2454 g	435-00363	

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



Two-component polyurethane cast resin

RELICON PUR 112 FR

The RELICON PUR 112 FR cast resin is flame retardant according to UL94 V0 and is used in areas with increased fire protection requirements. It has been created for electrical insulation and mechanical protection of cable connections in the low- and medium-voltage range.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Excellent flow properties, low volume shrinkage
- Flame retardant according to UL94 V0
- Cold curing and very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR 112 FR.

MATERIAL	Polyurethane resin 112 FR (PUR112 FR)
Colour	Beige (BGE)
Operating Temperature	-25 °C to +130 °C
Mixing Ratio (weight)	100:22
Gel Time	70 min. 5 °C, 20 min. 23 °C, 8 min. 40 °C
Pot Life	50 min. 5 °C, 15 min. 23 °C, 5 min. 40 °C
Dielectric Strength	>20 kV/mm
Impact Strength	> 8 kJ/m ²
Shore Hardness D	80±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months



TYPE	Resin Quantity	Article-No.
Resin-112FR-B-SF	95 ml / 144 g	435-01100
	165 ml / 251 g	435-01101
	220 ml / 334 g	435-01102
	240 ml / 365 g	435-01103
	400 ml / 608 g	435-01104
	455 ml / 692 g	435-01105
	490 ml / 745 g	435-01106
	655 ml / 996 g	435-01107
	955 ml / 1452 g	435-01108
	1140 ml / 1733 g	435-01109
	1445 ml / 2196 g	435-01110
	1640 ml / 2493 g	435-01111
	1950 ml / 2964 g	435-01112
2045 ml / 3108 g	435-01113	

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

Two-component epoxy resin

RELICON EP 64

The RELICON EP 64 epoxy resin has been created for use in low- and medium-voltage electrical networks, especially in the chemical and oil refining industry.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- Very high mechanical, thermal and chemical resistance
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Halogen free



Two-component epoxy resin EP64.

MATERIAL	Epoxy resin EP64 (EP64)
Colour	Black (BK)
Operating Temperature	-20 °C to +140 °C
Mixing Ratio (weight)	100:36
Exothermicity max.	+140 °C
Pot Life	32 min. 5 °C, 13 min. 23 °C, 8 min. 35 °C
Dielectric Strength	>20 kV/mm
Viscosity	3700 mPa*s, 23 °C (EN ISO 2555)
Shore Hardness D	80±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months



TYPE	Resin Quantity	Article-No.
Resin-64-B-SF	95 ml / 107 g	435-00400
	165 ml / 186 g	435-00401
	220 ml / 249 g	435-00402
	240 ml / 271 g	435-00403
	400 ml / 452 g	435-00404
	455 ml / 514 g	435-00405
	490 ml / 554 g	435-00406
	655 ml / 740 g	435-00407
	955 ml / 1079 g	435-00408
	1140 ml / 1288 g	435-00409
	1445 ml / 1633 g	435-00410
	1640 ml / 1853 g	435-00411
	1950 ml / 2204 g	435-00412
	2045 ml / 2311 g	435-00413

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



Two-component epoxy resin

RELICON EP 20

The RELICON EP 20 epoxy resin has been created for use in low- and medium-voltage electrical networks. It is cold curing, highly impact-resistant and the low exothermic reaction makes it possible to cast even larger volumes.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Low exothermic reaction
- Very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- Very high thermal and chemical resistance
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Halogen free



Two-component epoxy resin EP20.

MATERIAL	Epoxy resin EP20 (EP20)
Colour	Yellow (YE)
Operating Temperature	-20 °C to +140 °C
Mixing Ratio (weight)	100:65
Exothermicity max.	+100 °C
Pot Life	8 min. 40 °C, 18 min. 23 °C, 35 min. 5 °C
Dielectric Strength	>20 kV/mm
Viscosity	2000 mPa*s, 23 °C (EN ISO 2555)
Shore Hardness D	70±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	48 months



TYPE	Resin Quantity	Article-No.
Resin-20-B-SF	95 ml / 103 g	435-00450
	165 ml / 178 g	435-00451
	220 ml / 238 g	435-00452
	240 ml / 259 g	435-00453
	400 ml / 432 g	435-00454
	455 ml / 491 g	435-00455
	490 ml / 529 g	435-00456
	655 ml / 707 g	435-00457
	955 ml / 1031 g	435-00458
	1140 ml / 1231 g	435-00459
	1445 ml / 1561 g	435-00460
	1640 ml / 1771 g	435-00461
	1950 ml / 2106 g	435-00462
	2045 ml / 2209 g	435-00463

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

Two-component cold casting compound

RELICON Reliflex

The RELICON Reliflex cast resin is a non-toxic cold casting compound based on hydrocarbon resins for the low-voltage electrical networks. The very hydrophobic resin has been created for electrical insulation and moisture protection of cable connections. After curing, Reliflex is extremely resistant to moisture and has excellent insulating properties.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Colour changes from beige to yellow whilst mixing
- Safe-Filling system (SF)
- Excellent flow properties, low volume shrinkage
- Fast gelling, curing without developing heat
- Cold curing and very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- Resistance to moisture and atmospheric corrosion
- Soft elastic, vibration absorbing, removable
- Non-toxic, free of silicone and isocyanate
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste



Two-component cold casting compound Reliflex.

MATERIAL	Cold sealing compound Reliflex (Reliflex)
Colour	Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Mixing Ratio (weight)	100:40
Exothermicity max.	-
Gel Time	45 min. 5 °C, 25 min. 23 °C, 14 min. 40° C
Pot Life	40 min. 5 °C, 20 min. 23 °C, 10 min. 40 °C
Dielectric Strength	>10 kV/mm
Viscosity	5000 mPa*s, 5 °C (EN ISO 2555), 3300 mPa*s, 23 °C (EN ISO 2555)
Shore Hardness A	20±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months



TYPE	Resin Quantity	Article-No.
Resin-RF-B-SF	95 ml / 116 g	435-00550
	165 ml / 201 g	435-00551
	220 ml / 268 g	435-00552
	240 ml / 293 g	435-00553
	400 ml / 488 g	435-00554
	455 ml / 555 g	435-00555
	490 ml / 598 g	435-00556
	655 ml / 799 g	435-00557
	955 ml / 1165 g	435-00558
	1140 ml / 1391 g	435-00559
	1445 ml / 1763 g	435-00560
	1640 ml / 2001 g	435-00561
	1950 ml / 2379 g	435-00562
2045 ml / 2495 g	435-00563	

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



Two-component polyurethane sealing mastic

RELICON PUR DS

The RELICON PUR DS cast resin is a chemically thixotropic, universal polyurethane sealing mastic. It is ideal for sealing wall feed-throughs as well as other filling and sealing applications.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Colour changes from black to grey whilst mixing
- Safe-Filling system (SF)
- Very thixotropic and high stability
- Gas and water tight to 1.5 bar
- Excellent adhesion to concrete and stone. Also on polymeric cables and wires made of PVC, XLPE, PE, EPR
- Soft elastic
- Spatula included
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR DS.

MATERIAL	Polyurethane (PUR)
Colour	Grey (GY)
Operating Temperature	-25 °C to +110 °C
Mixing Ratio (weight)	100:52
Pot Life	15 min. 23 °C
Shore Hardness D	30±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	24 months



TYPE	Resin Quantity	Article-No.
Resin-DS-B-SF	250 ml / 275 g	435-00600
	490 ml / 539 g	435-00601

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



RELICON: expertise based on experience

Innovative cast resin and gel systems for reliable connections.

HellermannTyton is one of the leading suppliers of products for fastening, fixing, identifying and protecting cables and their connecting components.

We also develop pioneering systems in the field of data and network technology.

Our corporate philosophy focuses on customers and their need for the best possible solutions around cable management. RELICON branded cast resin and gel systems are highly innovative premium products designed to fulfil the highest expectations. RELICON products extend HellermannTyton's insulation and protection portfolio with leading cable connection technology. RELICON products deliver outstanding performance with quality you can rely on.

Part of what makes HellermannTyton a market leader is our pioneering spirit coupled with the technical expertise to continuously anticipate future demands and to answer these challenges with optimal product solutions.

RELICON Reliseal gel cable joints: for connections under extreme conditions

Reliseal gel cable joints are designed for reliability and robustness under the toughest conditions. They are tested to IP 68 (waterproof to 10 Meters) and feature an integrated strain relief mechanism that ensures maximum protection, insulation and sealing of cable connections in extreme environments.

Ready-to-use out of the box, fitting is quick and easy.

Reliseal gel cable joints are system- tested according to DIN EN 50393 and DIN 60529 and are flame retardant according to DIN EN 60695-2-11.





Gel cable joint with connector

RELICON Reliseal

Reliseal gel cable joints are suitable for cable connections under extreme conditions, outdoors and underground. They are universal straight-through joints with a protection class IP68 and consist of a solid polypropylene shell (PP) filled with RELICON gel. They can be used for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR, etc. Reliseal fulfils the highest requirements for electrical installations and offers mechanical protection, insulation and sealing in one work step. The installer saves time and requires no special installation tools.

Application: In low-voltage electrical networks as straight-through joint. Underground, submerged, outdoor, indoor and in wiring ducts.

Features and Benefits

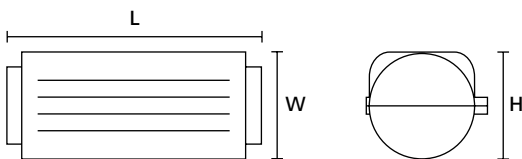
- Moulding shell: one piece, re-openable, impact-proof, flame retardant (UL94 V0)
- Perfect strain relief provided by patented cable gland system
- Protection class IP68, 10 m
- Filled with RELICON non-toxic gel, high dielectric strength
- No mixing, easy to install
- UV, ageing and weather resistant
- Unlimited shelf life
- With connector, ready to assembly
- Certified according to :
 - DIN EN 60529 protection classes through outer sleeve shell
 - DIN EN 50393 type approval tests for cable accessories
 - DIN EN 60695-2-11 glow-wire test for flammability of end products

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Cable gland system for strain relief and transverse waterproofing
- Adapter seal for different cable diameters
- Installation instructions
- Connector

i With connector!

i IP68, 10 meter



Reliseal V



Reliseal gel cable joint, available in three sizes.



Gel cable joint Reliseal V 56.



Gel cable joint Reliseal V 510.



Gel cable joint Reliseal V 525.



One Step to the Web!

MATERIAL	Polypropylene (PP), Silicone Rubber (SIR)
Colour	Green (GN)
Operating Temperature	-20 °C to +90 °C
Shelf Life	Unlimited

RoHS ✓

TYPE	Main Cable mm ² min - max		Length (L)	Width (W)	Height (H)	E-number	Article-No.
Reliseal V56	3 x 2.5	5 x 6	190.0	60.0	47.0	00 000 00	435-01660
Reliseal V510	3 x 4	5 x 10	235.0	69.0	49.0	00 000 00	435-01661
Reliseal V525	3 x 10	5 x 25	310.0	88.0	60.0	00 000 00	435-01662

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

RELICON Relilight gel cable joints: specially designed for the needs of lighting installers to connect and branch small conductor cross-sections

Relilight gel cable joints are designed for safely connecting and branching off the small cable cross-sections now commonly used in lighting installations. Relilight's compact dimensions, integrated strain relief and IP68 safety class make it an ideal product for reliable connections in confined spaces and under wet or dusty conditions.

RELICON Relilight is tested to DIN EN 60998-2-1:2004. It is resistant to ageing and weathering and withstands temperatures from -30 to +130 °C.





Gel cable joint with connector

RELICON Relilight

Relilight gel cable joints are designed for light installations, especially LED lighting. They are tested according to DIN EN 60998-2-1: 2004 and offer IP68 protection class. The moulding shells are also flame retardant according to UL94 V0. Depending on the connector type, Relilight can be used either for straight-through or as branch joints. They are suitable for joining on polymeric cables and wires made of PVC, XLPE, PE, EPR etc. The silicone-based RELICON gel in the Relilight cable joints provides insulation, sealing and mechanical protection in one step. Furthermore, they reduce the workload and total cost of installation.

Application: In low-voltage electrical networks as straight-through or branch joints, e.g. for outdoor light installations, underground, submerged, outdoor, indoor and in wiring ducts.



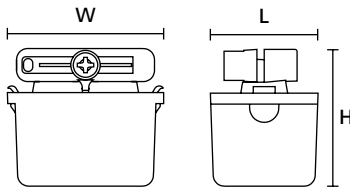
Relilight gel cable joint.

Features and Benefits

- Moulding shell: two piece, black, re-openable, with strain relief, flame retardant (UL94 V0), protection class IP68, 1.3 m
- Filled with Relicon non-toxic gel, high dielectric strength >1kV,
- No mixing, ready to assembly
- UV, ageing and weather resistant
- Compact dimensions, with connector
- Unlimited shelf life
- Certified according to DIN EN 60998-2-1:2004

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief (not for No. 435-01650)
- Installation instructions, connector block, screws
- Wire guide (only No. 435-01654)



MATERIAL	Polyamide 6.6 V0 (PA66V0), Silicone Rubber (SIR)
Colour	Black (BK)
Operating Temperature	-30 °C to +130 °C
Shelf Life	Unlimited
Flammability	UL94 V0

RoHS ✓

i With connector block!

i IP68, 1.3 meter

TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
Relilight V2.75 I1	4.8-6	2 x 0.35	2 x 0.75	-	-	250V, 6A	44.0	18.0	17.5	435-01650
Relilight V32.5 I2	6.5-12	3 x 0.5	3 x 2.5	-	-	250V, 16A	100.0	24.0	29.0	435-01651
Relilight V32.5 P1	6.5-12	3 x 0.5	3 x 2.5	3 x 0.5	3 x 2.5	250V, 16A	105.0	44.0	24.0	435-01655
Relilight V41.5 P1	6.5-12	4 x 0.5	4 x 1.5	4 x 0.5	4 x 1.5	250V, 16A	105.0	44.0	24.0	435-01656
Relilight V61.5 I2	6.5-12	6 x 0.5	6 x 1.5	-	-	12V - 24V	100.0	24.0	29.0	435-01652
Relilight V34 P2	7.5-16	3 x 1.5	3 x 4	3 x 1.5	3 x 4	450V, 25A	138.0	78.0	35.0	435-01657
Relilight V36 P2	7.5-16	3 x 1.5	3 x 6	3 x 1.5	3 x 6	450V, 25A	138.0	78.0	35.0	435-01658
Relilight V31.5 U1	8.0-10	3 x 0.5	3 x 1.5	-	-	250V, 16A	38.0	42.5	29.5	435-01653
Relilight V41 U1	8.0-10	4 x 0.5 / 6 x 0.35	4 x 1 / 6 x 0.5	-	-	12V - 24V	38.0	42.5	29.5	435-01654

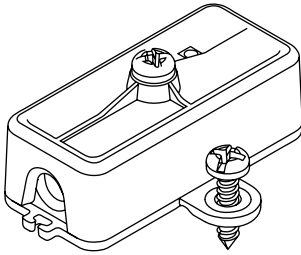
All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



RELICON Relilight V 2.75 I1

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Installation instructions
- Connector block 2 x 0.35 mm² to 2 x 0.75 mm²
- Screw



Relilight V 2.75 I1



Gel cable joint Relilight V 2.75 I1.

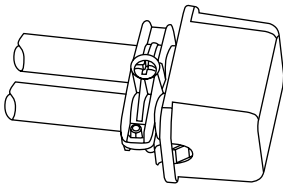
TYPE	Ø Main Cable	Main Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
Relilight V2.75 I1	4.8-6	2 x 0.35	2 x 0.75	250V, 6A	44.0	18.0	17.5	435-01650

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

RELICON Relilight V 31.5 U1

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Installation instructions
- Connector block 3 x 0.5 mm² to 3 x 1.5 mm²
- Screw



Relilight V 31.5 U1



Gel cable joint Relilight V 31.5 U1.

TYPE	Ø Main Cable	Main Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
Relilight V31.5 U1	8.0-10	3 x 0.5	3 x 1.5	250V, 16A	38.0	42.5	29.5	435-01653

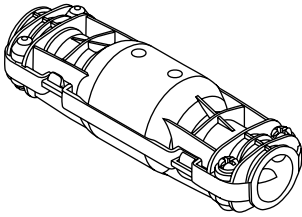
All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



RELICON Relilight V 32.5 I2

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief
- Installation instructions
- Connector block 3 x 0.5 mm² to 3 x 2.5 mm²
- Screws



Relilight V 61.5 I2



Gel cable joint Relilight V 32.5 I2.

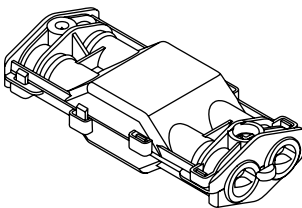
TYPE	Ø Main Cable	Main Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		3 x 0.5	3 x 2.5					
Relilight V32.5 I2	6.5-12	3 x 0.5	3 x 2.5	250V, 16A	100.0	24.0	29.0	435-01651

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

RELICON Relilight V 32.5 P1

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief
- Installation instructions
- Connector block 3 x 0.5 mm² to 3 x 2.5 mm²
- Screws



Relilight V 32.5 P1



Gel cable joint Relilight V 32.5 P1.

TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		3 x 0.5	3 x 2.5	3 x 0.5	3 x 2.5					
Relilight V32.5 P1	6.5-12	3 x 0.5	3 x 2.5	3 x 0.5	3 x 2.5	250V, 16A	105.0	44.0	24.0	435-01655

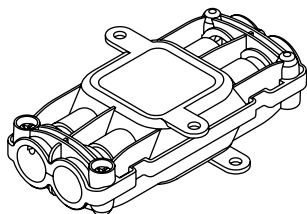
All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



RELICON Relilight V 34 P2

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief
- Installation instructions
- Connector block 3 x 1.5 mm² to 3 x 4 mm²
- Screws



Relilight V 34 P2



Gel cable joint Relilight V 34 P2.

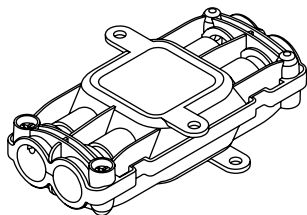
TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		3 x 1.5	3 x 4	3 x 1.5	3 x 4					
Relilight V34 P2	7.5-16	3 x 1.5	3 x 4	3 x 1.5	3 x 4	450V, 25A	138.0	78.0	35.0	435-01657

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

RELICON Relilight V 36 P2

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief
- Installation instructions
- Connector block 3 x 1.5 mm² to 3 x 6 mm²
- Screws



Relilight V 36 P2



Gel cable joint Relilight V 36 P2.

TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		3 x 1.5	3 x 6	3 x 1.5	3 x 6					
Relilight V36 P2	7.5-16	3 x 1.5	3 x 6	3 x 1.5	3 x 6	450V, 25A	138.0	78.0	35.0	435-01658

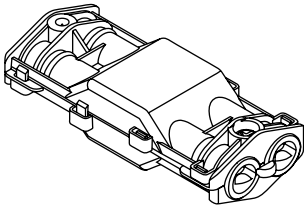
All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



RELICON Relilight V 41.5 P1

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief
- Installation instructions
- Connector block 4 x 0.5 mm² to 4 x 1.5 mm²
- Screws



Relilight V 41.5 P1



Gel cable joint Relilight V 41,5 P1.

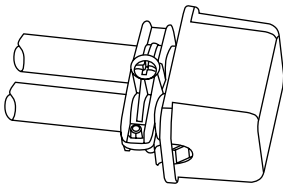
TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		4 x 0.5	4 x 1.5	4 x 0.5	4 x 1.5					
Relilight V41.5 P1	6.5-12	4 x 0.5	4 x 1.5	4 x 0.5	4 x 1.5	250V, 16A	105.0	44.0	24.0	435-01656

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

RELICON Relilight V 41 U1

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Installation instructions
- Connector block 4 x 0.5 mm² to 4 x 1 mm²
- Wire guide 6 x 0.35 mm² to 6 x 0.5 mm² (solder)
- Screw



Relilight V 41 U1



Gel cable joint Relilight V 41 U1.

TYPE	Ø Main Cable	Main Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		4 x 0.5 / 6 x 0.35	4 x 1 / 6 x 0.5					
Relilight V41 U1	8.0-10	4 x 0.5 / 6 x 0.35	4 x 1 / 6 x 0.5	12V - 24V	38.0	42.5	29.5	435-01654

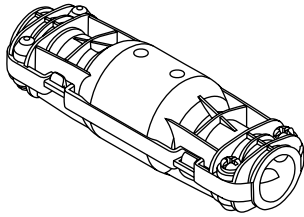
All dimensions in mm. Subject to technical changes.
Minimum Order Quantity (MOQ) may differ from package content.



RELICON Relilight V 61.5 I2

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Adapter for strain relief
- Installation instructions
- Connector block 6 x 0.5 mm² to 6 x 1.5 mm²
- Screws



Relilight V 61.5 I2



Gel cable joint Relilight V 61.5 I2.

TYPE	Ø Main Cable	Main Cable mm ² min - max		Voltage range	Length (L)	Width (W)	Height (H)	Article-No.
		6 x 0.5	6 x 1.5					
Relilight V61.5 I2	6.5-12	6 x 0.5	6 x 1.5	12V - 24V	100.0	24.0	29.0	435-01652

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

RELICON Relifix gel cable joints: quick and effortless application

RELICON gel cable joints, which are used for cable connections above and below ground, consist of a robust polypropylene sleeve plus RELICON gel. RELICON gel products comply with the highest electrical engineering requirements and provide mechanical protection, insulation and sealing in a single work step. The fitter saves time and needs no special installation tools. RELICON gel cable joints can be used up to conductor temperatures of +90 °C. The material is non-hazardous and has an unlimited shelf-life. RELICON gel cable joints are suitable for straight-through or branch connections. They are available in different sizes, covering the common range of conductor cross sections. The products comply with the major European standards DIN EN 50393 (corresponding to DIN VDE 0278) and DIN EN 60695-2-11.





Gel cable joint without connector

RELICON Relifix

RELICON Relifix gel technology offers several advantages. It is quick and easy to install. The moulding shells are provided with a film hinge and are made from thick-walled, tough and impact resistant polypropylene (PP). The Relicon gel in the shells insulates and seals the complete connection as the joint is closed. Depending on the connector type, Relifix can be used as a universal straight-through or branch joint. It is suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR etc.

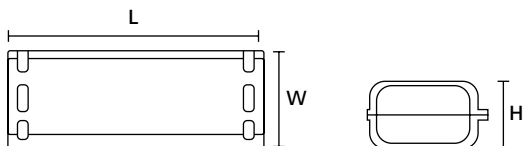
Application: In low-voltage electrical networks as straight-through and/or branch joint, e.g. underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

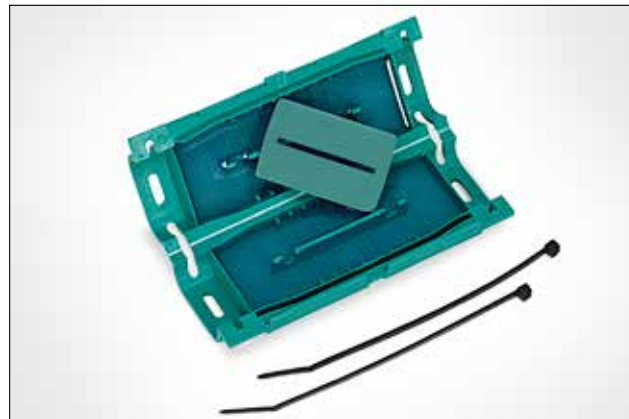
- Moulding shell: One piece, coloured, re-openable, impact-proof, flame retardant (UL94 V0)
- Filled with Relicon non-toxic gel, high dielectric strength
- No mixing, easy to install
- UV, ageing and weather resistant
- Unlimited shelf life
- Certified according to:
 - DIN EN 50393 (corresponds to DIN VDE 0278-393)
 - DIN EN 60695-2-11 (corresponds to VDE 0471-2-11)

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Installation instructions
- Separator plate
- Cable ties



Relifix 410, 416



Gel cable joint Relifix 410, 416.

MATERIAL	Polypropylene (PP), Silicone Rubber (SIR)
Colour	Green (GN)
Operating Temperature	-20 °C to +90 °C
Shelf Life	Unlimited

RoHS ✓

i Without connector block!

TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Length (L)	Width (W)	Height (H)	Article-No.
		3 x 1.5	4 x 10	3 x 1.5	4 x 2.5				
Relifix 410	9-20	3 x 1.5	4 x 10	3 x 1.5	4 x 2.5	146.0	55.0	35.0	435-00652
Relifix 416	9-22	3 x 1.5	4 x 16	3 x 1.5	4 x 4	180.0	69.0	40.0	435-00653

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



Gel cable joint with connector

RELICON Relifix V

RELICON Relifix gel technology offers several advantages. It is quick and easy to install. The moulding shells are provided with a film hinge and are made from thick-walled, tough and impact resistant polypropylene (PP). The Relicon gel in the shells insulates and seals the complete connection as the joint is closed. Depending on the connector type, Relifix can be used as a universal straight-through or branch joint. It is suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR etc.

Application: In low-voltage electrical networks as straight-through and/or branch joint, e.g. underground, submerged, outdoor, indoor and wiring ducts.



Relicon Relifix V gel cable joints.

Features and Benefits

- Moulding shell: One piece, coloured, re-openable, impact-proof, flame retardant (UL94 V0)
- Filled with Relicon non-toxic gel, high dielectric strength
- No mixing, easy to install
- UV, ageing and weather resistant
- Unlimited shelf life
- With connector, ready for assembly
- Certified according to:
 - DIN EN 50393 (corresponds to DIN VDE 0278-393)
 - DIN EN 60695-2-11 (corresponds to VDE 0471-2-11)

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Installation instructions
- Connector
- Cable ties
- Allen key (not for type V31,5)



Gel cable joint Relifix V 31,5.



Gel cable joint Relifix V 150.

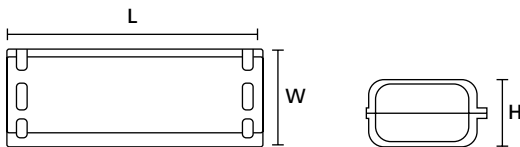


Gel cable joint Relifix V 56, V516.



Gel cable joint Relifix V 525.

With connector block!



Relifix V

MATERIAL	Polypropylene (PP), Silicone Rubber (SIR)
Colour	Green (GN)
Operating Temperature	-20 °C to +90 °C
Shelf Life	Unlimited

RoHS ✓

TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Length (L)	Width (W)	Height (H)	Article-No.
Relifix V150	9-16	1 x 10	1 x 50	1 x 2.5	1 x 6	86.0	47.0	27.0	435-00651
Relifix V31.5	9-16	3 x 0.5	3 x 2.5	-	-	86.0	47.0	27.0	435-00650
Relifix V56	9-20	3 x 1.5	5 x 6	-	-	146.0	55.0	35.0	435-00654
Relifix V516	9-22	3 x 6	5 x 16	-	-	180.0	69.0	40.0	435-00655
Relifix V525	9-30	3 x 16	5 x 25	-	-	240.0	75.0	48.0	435-00656

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



Gel cable joint with connector

RELICON Relifix VY

RELICON Relifix gel technology offers several advantages. It is quick and easy to install. The moulding shells are provided with a film hinge and are made from thick-walled, tough and impact resistant polypropylene (PP). The Relicon gel in the shells insulates and seals the complete connection as the joint is closed. Depending on the connector type, Relifix can be used as a universal straight-through or branch joint. It is suitable for jointing on polymeric cables and wires made of PVC, XLPE, PE, EPR etc.

Application: In low-voltage electrical networks as straight-through and/or branch joint, e.g. underground, submerged, outdoor, indoor and wiring ducts.

Features and Benefits

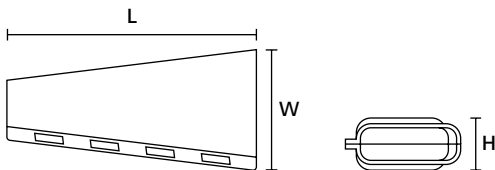
- Moulding shell: One piece, coloured, re-openable, impact-proof, flame retardant (UL94 V0)
- Filled with Relicon non-toxic gel, high dielectric strength
- No mixing, easy to install
- UV, ageing and weather resistant
- Unlimited shelf life
- With connector, ready for assembly
- Certified according to:
 - DIN EN 50393 (corresponds to DIN VDE 0278-393)
 - DIN EN 60695-2-11 (corresponds to VDE 0471-2-11)

Content of Set / Kit

- Moulding shells filled with RELICON gel
- Installation instructions
- Connector
- Cable ties
- Allen key



With connector block!



Relifix VY



Relicon Relifix VY gel cable joint.



Gel cable joint Relifix V 135Y.



Gel cable joint Relifix V 506Y.



Gel cable joint Relifix V 525Y.

MATERIAL	Polypropylene (PP), Silicone Rubber (SIR)
Colour	Green (GN)
Operating Temperature	-20 °C to +90 °C
Shelf Life	Unlimited

RoHS ✓

TYPE	Ø Main Cable	Main Cable mm ² min - max		Branch Cable mm ² min - max		Length (L)	Width (W)	Height (H)	Article-No.
Relifix V 135Y	9-16	1 x 10	1 x 35	1 x 2,5	1 x 25	145.0	70.0	32.0	435-00657
Relifix V 506Y	9-20	3 x 6	5 x 6	3 x 2,5	5 x 6	220.0	110.0	53.0	435-00658
Relifix V 525Y	9-30	3 x 16	5 x 25	3 x 2,5	5 x 25	260.0	130.0	65.0	435-00659

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



Gel accessories

RELICON Relifix ZE

Relifix ZE is an optional accessory providing strain relief when using cable joints Relifix 416, Relifix V516 and Relifix V525. Suitable for conductor cross-sections from 6 mm² to 25 mm².

Features and Benefits

- Releasable strain relief
- Quick and easy installation
- Only for Relifix 416, V516, V525
- For conductor cross-sections of 6 -25 mm²

Content of Set / Kit

- 2 Relifix ZE each with two fixing screws
- Installation instructions



Gel accessory Relifix ZE.

TYPE	Article-No.
Relifix ZE	435-00700

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

MATERIAL	Polypropylene (PP)
Colour	Grey (GY)
Operating Temperature	-20 °C to +90 °C
Shelf Life	Unlimited





Two-component gel

RELICON KH 67

RELICON KH 67 is a transparent, removable, saltwater resistant, flexible two-component gel based on hydrocarbon resins. It is especially suitable for use with junction boxes in low-voltage networks, located in a humid area or in the ground. After curing, RELICON KH 67 is characterised by its excellent resistance to moisture and very good insulating properties as well as good chemical resistance.

Application: Electrical insulation and moisture protection in the low-voltage networks. Particularly suitable for filling of cable junction boxes.

Features and Benefits

- A practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Excellent flow properties
- Soft elastic, vibration absorbing, removable
- Outstanding insulating properties
- Cures without developing heat
- Saltwater resistant
- Non-toxic, free of silicone and isocyanate
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component gel KH 67.

MATERIAL	Gel KH67 (KH67)
Colour	Transparent (CL), Yellow (YE)
Operating Temperature	-40 °C to +90 °C
Mixing Ratio (weight)	100:67
Pot Life	40 min. 23 °C
Density	0.95 g/cm ³ , 20 °C (DIN EN ISO 2811-2)
Dielectric Strength	>15 kV/mm
Viscosity	3000 mPa*s, 5 °C (EN ISO 2555), 2000 mPa*s, 23 °C (EN ISO 2555)
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months



Silicon free!



TYPE	Pack Cont.	Article-No.
Gel-67-B-SF	180 ml	435-00800
	250 ml	435-00801
	600 ml	435-00802
	750 ml	435-00803
	1,200 ml	435-00804

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



Two-component silicone gel

RELICON Religel

RELICON Religel is a transparent, elastic two-component silicone gel. It is delivered in practical transparent bottles or canisters. It is particularly suited to fill junction boxes in low-voltage applications. After curing, RELICON Religel gives excellent resistance to moisture, has high insulating properties and very good chemical resistance.

Application: Electrical insulation and moisture protection for low-voltage applications, particularly suitable for insulating cables and wires in junction boxes.

Features and Benefits

- Bottles or canisters incl. measuring cup and mixing stick
- Homogenous mixture indicated by green-coloured component B
- Can be used flexibly, in smaller quantities, mixing ratio 1:1
- Excellent flow properties
- Soft elastic, vibration absorbing, removable
- Outstanding insulating properties
- Non-toxic, free of isocyanate
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component silicone gel Religel.



Two-component silicone gel Religel.

MATERIAL	Silicone gel Religel (SIG)
Colour	Transparent (CL), Green (GN)
Operating Temperature	-40 °C to +140 °C
Mixing Ratio (weight)	100:100
Gel Time	20 min. 23 °C
Pot Life	10 min. 23 °C
Density	0.97 g/cm ³ , 20 °C (DIN EN ISO 2811-2)
Dielectric Strength	>20 kV/mm
Viscosity	1000 mPa*s, 23 °C (EN ISO 2555), 1500 mPa*s, 5 °C (EN ISO 2555)
Storage Temperature	+4 °C to +40 °C
Shelf Life	Unlimited



TYPE	Pack Cont.	Article-No.
Religel	1,000 ml	435-00750
	10,000 ml	435-00751

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



Two-component gel

RELICON KH 100

RELICON KH 100 is a transparent, removable, saltwater resistant, flexible two-component gel based on hydrocarbon resins in trade standard cartridges. It is especially suitable for use with junction boxes in the low-voltage range, located in a humid area or in the ground. After curing, RELICON KH 100 is characterised by its excellent resistance to moisture and very good insulating properties as well as good chemical resistance. Application: Electrical insulation and moisture protection for the low-voltage networks. Particularly suitable for filling of cable junction boxes.

Features and Benefits

- Cartridge with mixing nozzle for use with standard cartridge applicator gun
- Excellent flow properties
- Soft elastic, vibration absorbing, removable
- Outstanding insulating properties
- Cures without developing heat
- Saltwater resistant
- Non-toxic, free of silicone and isocyanate
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component gel KH 100.

MATERIAL	Gel KH100 (KH100)
Colour	Transparent (CL)
Operating Temperature	-40 °C to +90 °C
Mixing Ratio (weight)	1:1
Pot Life	40 min. 23 °C
Density	0.95 g/cm ³ , 20 °C (DIN EN ISO 2811-2)
Dielectric Strength	>20 kV/mm
Viscosity	2000 mPa*s, 5 °C (EN ISO 2555), 1500 mPa*s, 23 °C (EN ISO 2555)
Storage Temperature	+4 °C to +40 °C
Shelf Life	18 months



Silicon free!



TYPE	Pack Cont.	Article-No.
Gel-100 Mixing-Nozzle	10 pcs.	435-00806
Gel-100	250 ml	435-00805
	600 ml	435-00807

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



Hand cleaning tissues

RELICON Reliclean

RELICON Reliclean is an antibacterial, degreasing and quickly drying hand cleaning tissue. Suitable especially for workshops, industry and areas where hands and surfaces are strongly soiled. Ideal for cleaning heavily soiled hands, tools and equipment. Removes e.g. polyurethane, grease, oils, glue, bitumen, wax, soot, ink, sealants, paints, brake dust, coal dust etc.

Features and Benefits

- Tissue size 27 x 31 cm
- Strong one-step cleaning action
- Easily removes stubborn dirt
- Binds dirt without leaving any residue
- Reliclean restores natural oils and dries quickly
- Tissue are biodegradable
- Antibacterial, non-toxic and non-irritating
- Free of harmful substances



Cleaning cloths Reliclean.

TYPE	Pack Cont.	Article-No.
Reliclean	35 pcs.	435-01600
	70 pcs.	435-01601

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



Connectors

Compression connector, tin-plated, with central buttmark for copper conductors

Galvanised compression connectors are suitable for stranded and solid copper conductors and provided with central buttmarks for precise conductor insertion.

Features and Benefits

- Suitable for copper conductors
- Optimal material and compress properties because of the annealed material
- Precise end machining for easy cable insertion
- Tin-plated connector body
- With central buttmarks for precise core insertion



Compression connector, tin-plated, with central buttmark for copper conductors

TYPE	Inside Ø (ID)	Outside Ø (OD)	Length (L)	Pack Cont.	Article-No.
Compression connector 1.5	1.8	3.3	25.0	1 pc.	435-01450
Compression connector 2.5	2.3	4.2	25.0	1 pc.	435-01451
Compression connector 4	3	5	25.0	1 pc.	435-01452
Compression connector 6	3.5	6.5	25.0	1 pc.	435-01453
Compression connector 10	4.5	7	30.0	1 pc.	435-01454
Compression connector 16	5.5	8.5	35.0	1 pc.	435-01455
Compression connector 25	7	10	40.0	1 pc.	435-01456
Compression connector 35	8.5	12	45.0	1 pc.	435-01457
Compression connector 50	10	14	50.0	1 pc.	435-01458
Compression connector 70	12	16.5	55.0	1 pc.	435-01459
Compression connector 95	13.5	18	60.0	1 pc.	435-01460
Compression connector 120	15	19.5	65.0	1 pc.	435-01461
Compression connector 150	16.5	21	70.0	1 pc.	435-01462
Compression connector 185	19	24	75.0	1 pc.	435-01463
Compression connector 240	21	26	85.0	1 pc.	435-01464
Compression connector 300	23.5	29.5	100.0	1 pc.	435-01465
Compression connector 400	27	34	100.0	1 pc.	435-01466

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



Connectors

Mechanical connector, tin-plated, with barrier and shear-off bolts for Al and CU conductors

Galvanised mechanical connector provided with barrier and shear-off bolts. Suitable for stranded and solid aluminium and copper conductors in all kind of cable accessories. They also comply with DIN 4740 requirements for shrinking technology.

Features and Benefits

- For connecting different conductor cross-sections
- Suitable for aluminium and copper conductors
- Tin-plated connector body with barrier and shear-off bolts



Mechanical connectors with barrier.

TYPE	Conductor Size Range mm ²	Ø D	Length (L)	Nut Size (NS)	Pack Cont.	Article-No.
Mechanical connector 1050	10 - 50	18.0	40.0	4	1 pc.	435-01503
Mechanical connector 2595	25 - 95	25.0	55.0	8	1 pc.	435-01504
Mechanical connector 2515	25 - 150	28.0	60.0	8	1 pc.	435-01505
Mechanical connector 9524	95 - 240	35.0	128.0	8	1 pc.	435-01506

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



Connectors

Mechanical connector, tin-plated, with blind hole for Al and CU conductors

Galvanised mechanical connector provided with a blind hole and suitable for stranded and solid aluminium and copper conductors in all kind of cable accessories. They also comply with DIN 4740 requirements for shrinking technology.

Features and Benefits

- For connecting different conductor cross-sections
- Suitable for aluminium and copper conductors
- With blind hole for precise conductor insertion
- Tin-plated connector body and hexagon socket screws



Mechanical connectors without barrier.

TYPE	Conductor Size Range mm ²	Ø D	Length (L)	Nut Size (NS)	Pack Cont.	Article-No.
Mechanical connector 1506	1.5 - 6	7.0	-	1.5	1 pc.	435-01500
Mechanical connector 1516	1.5 - 16	10.0	30.0	2.5	1 pc.	435-01501
Mechanical connector 635	6 - 35	14.0	40.0	4	1 pc.	435-01502

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



Connector blocks

RELICON Premium

The connector block is made of transparent polymeric material and assembled with 5 mechanical connectors inside. An allen key is included. The three different sizes are adapted to the right core cross sections and spaces that are needed for each joint. All connectors are suitable for aluminium and copper conductors as well. This makes the connection reliable and easy.

Features and Benefits

- Transparent, polymeric material
- 5 mechanical connectors including allen key
- 3 sizes available
- For Al and Cu conductors



SV-Connector blocks.

TYPE	Conductor Size Range mm ²	Article-No.
SV1	1.5 - 6	435-01400
SV2	1.5 - 16	435-01401
SV3	6 - 35	435-01402

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

Connectors

Tap connector, uninsulated, for copper conductors

Bright finished tap connector for screwing stranded and solid copper conductors according to VDE 0295 Class 1 and 2.

Features and Benefits

- For connecting conductors to VDE 0295 Class 1 and 2
- One bolt type, bright finished, uninsulated



Tap connectors, uninsulated, for copper conductors.

TYPE	Conductor Size Range mm ²	Length (L)	Width (W)	Mounting Screw Type	Pack Cont.	Article-No.
Tap connector 2516	2.5 - 16	16.0	19.5	M5	1 pc.	435-01550
Tap connector 2525	2.5-25.0	18.0	25.0	M6	1 pc.	435-01551
Tap connector 6035	6.0-35.0	20.0	28.0	M7	1 pc.	435-01552
Tap connector 6050	6.0-50.0	24.0	32.5	M7	1 pc.	435-01553
Tap connector 10070	10.0-70.0	24.0	37.5	M8	1 pc.	435-01554
Tap connector 25095	25.0-95.0	31.0	45.0	M10	1 pc.	435-01555

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



Connectors

Tap connector, insulated, for insulated aluminium and copper conductors

Insulated tap connector for screwing stranded and solid insulated aluminium and copper conductors.

Features and Benefits

- Suitable for insulated aluminium and copper conductors
- One bolt type, insulated



Tap connector, insulated, for copper and aluminium conductors.

TYPE	Conductor Size Range mm ²	Width (W)	Mounting Screw Type	Pack Cont.	Article-No.
Tap connector 1516	1.5-16.0	26.0	M6	1 pc.	435-01557

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

Connectors

Tap connector, insulated, for insulated copper conductors

Insulated tap connector for screwing stranded and solid insulated copper conductors.

Features and Benefits

- Suitable for insulated copper conductors
- One bolt type, insulated



Tap connector, insulated, for copper conductors.

TYPE	Conductor Size Range mm ²	Width (W)	Mounting Screw Type	Pack Cont.	Article-No.
Tap connector 1510	1.5-10.0	23.0	M5	1 pc.	435-01556

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