ENSTO

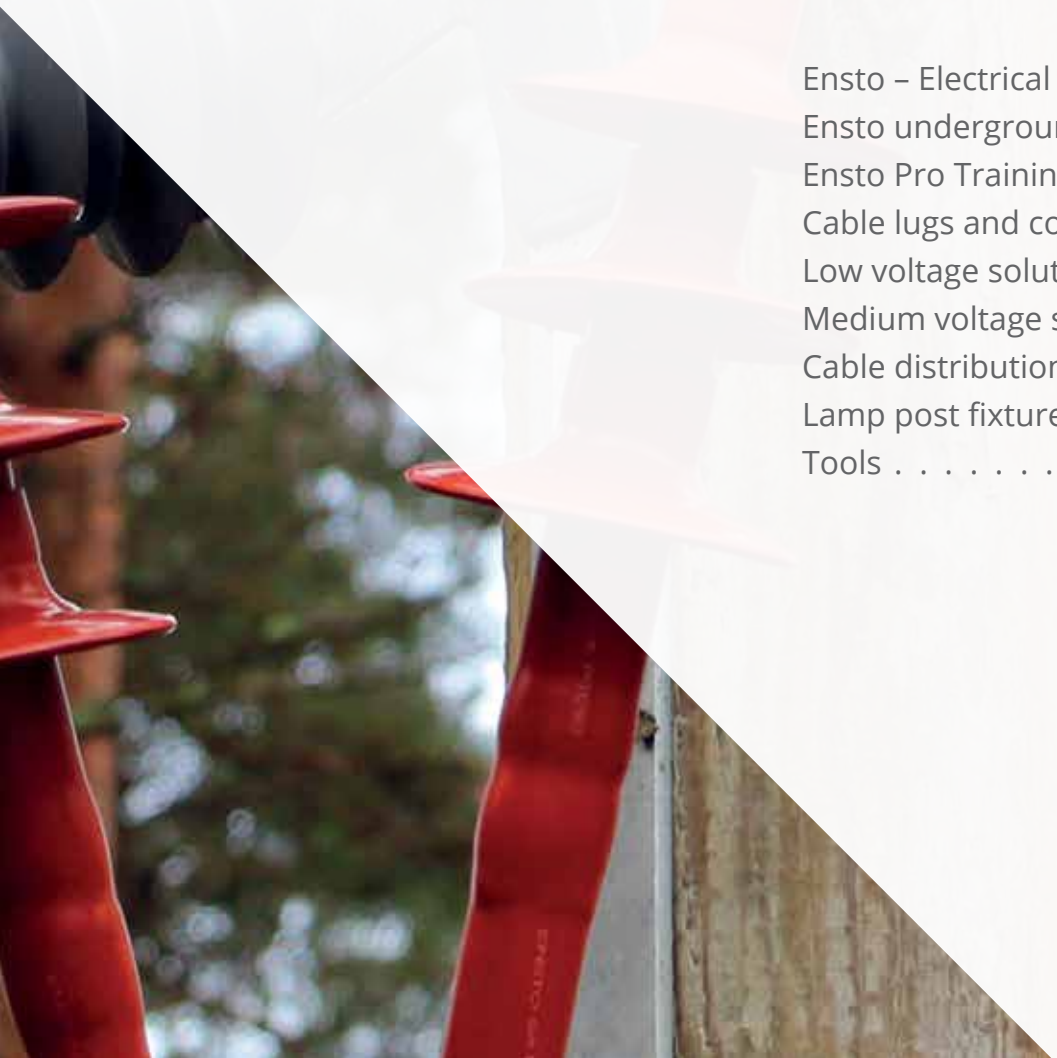
Solutions for Underground Cable Networks

1–42kV

Better life.
With electricity.

Terminations, joints, lamp post fixtures, cable distribution cabinets and tools

ensto.com



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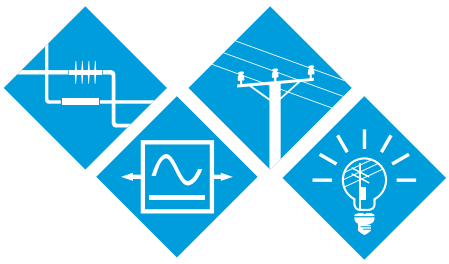
Ensto – Electrical Solution Provider

Ensto is an international family business, which designs and provides smart electrical solutions to improve the safety, functionality, reliability and efficiency of smart grids, buildings and transportation. *We want to create Better life. With electricity.*

Ensto was founded in 1958 and employs ca. 1,600 passionate professionals in Europe, the USA and Asia. In 2016, we generated turnover of ca. 260 million euros. Our business is divided into four business areas: Ensto Electrification, Ensto Lighting, Ensto Solutions and Ensto Utility Networks. We believe in a better life with electricity and a more sustainable tomorrow.

In Ensto Utility Networks we are committed to providing solutions for smarter grids with excellent network power quality. Our proven technologies and unique customer support ensure reliable electricity distribution, which is the basis for Smart Grid. Ensto offers solutions for:

- Low and medium voltage overhead lines
- Low and medium voltage underground cables
- Power quality
- Network automation



Well Functioning Solutions

Ensto´s solutions play a key role in building reliable, low-loss electricity distribution networks with disturbance-free service. High-quality products guarantee lower total costs for creating robust distribution networks.

We have thorough experience and knowledge of distribution networks in even the most demanding conditions: cold, hot, and stormy surroundings all over the world. Our products are developed in close cooperation with our customers. They are designed for a long service life, minimal need for maintenance, and a low life-cycle impact on the environment.

Tested to Meet Your Expectations

Ensto has fully equipped and calibrated testing laboratories in-house; even an accredited one in our headquarters in Finland. We test our products to ensure meeting the toughest national and international standards – in fact, beyond standard requirements. We work with many international test laboratories and use well-known external laboratories for certification testing.

Answers Close to You

Ensto has local sales personnel in 20 countries, allowing us to serve and support our customers flexibly in their own language, thanks to a strong local presence. In addition, we sell throughout the world to more than 100 countries.

Unique Training

Ensto's extensive training program Ensto Pro provides continuing support and comprehensive training for our customers. The benefits of this training include time, cost, and energy savings and fewer installation errors. Moreover, we receive reliable input on the solutions the customer truly needs. All Ensto Pro training sessions are customized according to customer needs.

Focus on Energy-Efficiency

Ensto is committed to building sustainable energy infrastructure with energy-efficient solutions.

Higher-quality power and lower distribution losses are key to energy efficiency. Sustainability and efficiency are also achieved via recyclable materials, local expertise, and in-house manufacturing.

Ensto's solutions for network power quality improve efficiency in electricity distribution and the quality of electricity. They save your time, money, and energy.

Ensto underground cable solutions

Comprehensive products and training

A well designed underground cable network guarantees uninterrupted electricity distribution. The Ensto Pro training academy provides professionals a comprehensive range of both theory based information and practical installation work.

Product information with you everywhere and on any device

Ensto web site includes thorough information about our solutions and detailed data on our products. The product data includes product cards and specifications for individual products.

Installation videos

Installation videos and animations help in installing our products as smooth and easy as possible – where ever, when ever.

› The videos can be found on our YouTube channel “EnstoGroup”. Scan the QR code above to access them directly.

Ensto Pro Training Academy – training for professionals

Ensto Pro is a training program for both Ensto personnel and our customers. It includes theory on e.g. underground cable network construction and effective utilization of Ensto products and solutions. Moreover, the practical installation trainings with tips and best practices are very well-liked among our customers.
To stay in the frontline of the electrical industry we work in close cooperation with various national and international technical schools and universities.

› Contact our sales managers or visit our website for more information.

Tested quality

Our products are tested according to international standards in accredited laboratories. Ensto companies have received ISO 9001 and ISO 14001 quality management certificates. We carry out constant testing in our own laboratory in order to guarantee the quality of our products.

Ensto Pro
TRAINING ACADEMY

Ensto Pro is our technical training concept targeted to customers, partners and own personnel. The aim is **to support sales and create loyal customer relations** by sharing knowledge.

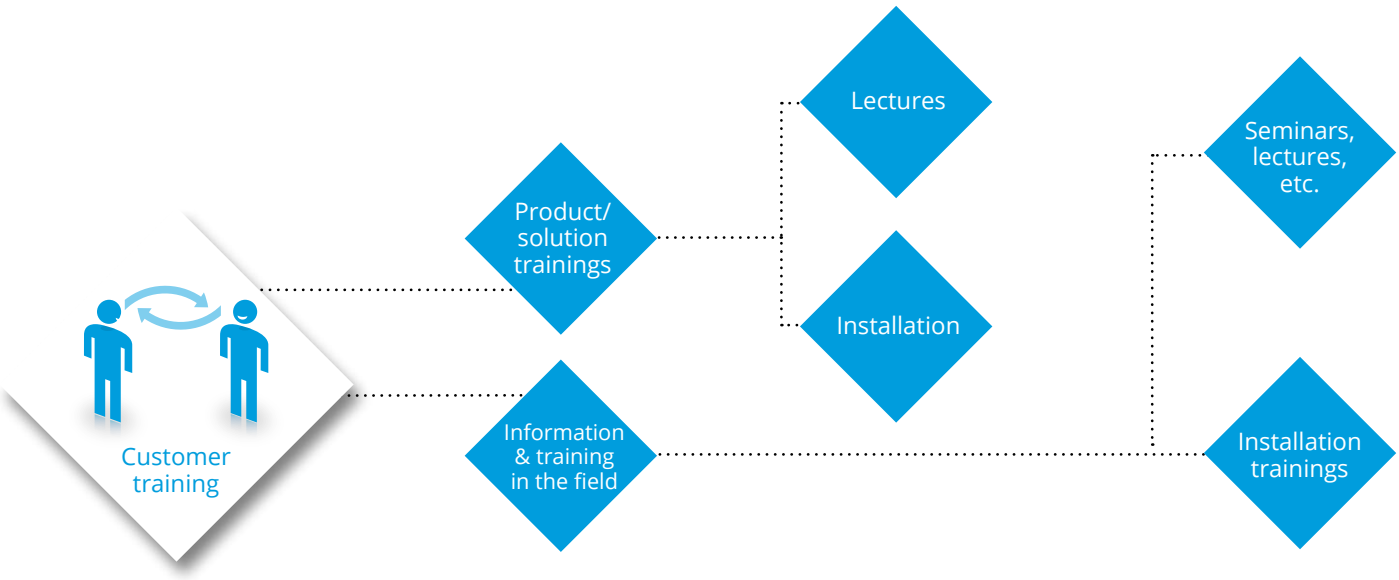
As our customer you gain these benefits from Ensto Pro training

- Time, cost, and energy savings
- Fewer installation errors
- Confidence and motivation
- The opportunity to have an influence
- New perspectives.

Better life.
With electricity.

Ensto Pro Training Academy

Assuring Know-How and Reliable Installations



Ensto Pro – and You Know!

Our Knowledge at Your Disposal

Customer training sessions are a vital part of our operations. We offer more than products: a complete package with reliable solutions, professional service, and customized support. They allow us to create profitable, long-term relationship of true collaboration.

Ensto has offered technical training to customers for decades. We want to share with you our 60-year experience in electricity network building and making the most of our products in varied, demanding circumstances. At the same time, we wish to learn from your experiences and truly understand your requirements, thereby becoming able to develop our products to best meet those precise needs.

Unique and Customized Training

Training helps to create true connection between us and you, the customer. We get realtime information on what you want, while you can learn about, for instance, products, installation methods, and distribution network design.

Our Ensto Pro service is unique:

- We give local service in the local language.
- We customize all Ensto Pro trainings.
- We are easy-going professionals.
- We enforce our credibility with a consistent and appealing appearance and presentation.
- We emphasize two-way learning.
- We keep our promises.

Variety of Training Types

Our customer training ranges from small installation sessions to large lecture-type events. Also, we are ready to teach about a host of topics as customer needs and wishes dictate.

Often, we arrange, or are involved in, sessions attended by professionals from various institutions, such as cable manufacturers and energy-market authorities. By offering all the necessary information in one session, we save time and energy. We care about your success.

Cable lugs and connectors

for a wide range of cross-sections

Our cable lugs and connectors have been designed to make installation as easy and effortless as possible. All our connectors and cable lugs have been equipped with shear-head bolts, which guarantee a reliable and uniform end result without the need for special tools.

LOW

Low voltage 6–300mm²

SLJ connectors + LUG cable lugs

- Suitable for cables with aluminum and copper conductors and for both plastic and paper insulated cables.
- Cable lugs and connectors for a wide range: 6–300mm².

Medium voltage 10–1000mm²

SMJ and M connectors + SML and C cable lugs

- Suitable for cables with aluminum and copper conductors and for both plastic and paper insulated cables.
- Cable lugs and connectors for a wide range: 10–1000mm².

MEDIUM

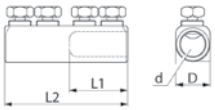
Cable lugs and connectors

For low voltage

LOW

SLJ shear head bolt connectors and SJ screw connectors

The connectors are used for jointing conductors of up to 1 kV cables. Because of the shear head bolt construction, no crimping tools are needed. The required torque of SLJ connectors is achieved by tightening the bolt until it breaks off. SJ0.47 has non-breaking screws. The connectors are water tight and suitable for solid and stranded, sector shaped and circular, conductors. The core insulation may be plastic or paper.



Product code	GTIN	Conductor size mm²	No. of screws	L1 mm	L2 mm	d mm	D mm	Weight (kg)
SJ0.47	6418677418464	Al/Cu 6-25	4	24	50	7	7	0.015
SLJ1.27	6418677458187	Al/Cu 6-50	2	26	54	11	20	0.034
SLJ1.47	6438100306663	Al/Cu 6-50	4	39	80	11	20	0.062
SLJ2.27	6418677458194	Al/Cu 35-95	2	23.5	58	16	27.5	0.067
SLJ2.47	6438100306670	Al/Cu 35-95	4	38.5	88	16	27.5	0.239
SLJ3.47	6418677459726	Al/Cu 95-240	4	58	119	25.5	37.7	0.278
SLJ4.47	6418677459733	Al/Cu 150-300	4	63.5	130	43	42.6	0.382

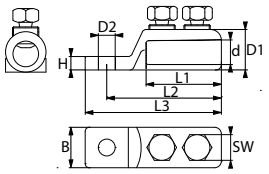
SLJT filling parts

The filling parts are used together with shear head bolt connectors SLJ, when it is necessary to join conductor sizes smaller than the range of the connector allows. They are suitable for both aluminium and copper conductors. The part increases the size of the conductor to the minimum size the connector requires.

Product code	GTIN	Description	Weight (kg)
SLJT2	6438100303211	16-35 mm² SLJ2.27	0.006
SLJT3	6438100303228	50-70 mm² SLJ 3.47	0.015
SLJT4	6438100303235	95-120 mm² SLJ4.47	0.030

LUG shear head bolt cable lugs

The cable lugs are used for terminating conductors of up to 1 kV cables. Because of the shear head bolt construction, no crimping tools are needed. The required torque is achieved by tightening the bolt until it breaks off. The lugs are water tight and suitable for solid and stranded, sector shaped and circular conductors.



Product code	GTIN	Conductor size mm²	L1 mm	L2 mm	L3 mm	B mm	d mm	D1 mm	D2 mm	H mm	SW mm	Weight (kg)
LUG6-50/8LV	6438100321895	Al 6-50	33	50	60	20	10	20	8.5	5.5	11	0.04
LUG6-50/8LVTIN	6438100321901	Al 6-50, Cu 6-35	33	50	60	20	10	20	8.5	5.5	11	0.04
LUG6-50/10LVTIN	6438100321918	Al 6-50, Cu 6-35	33	50	60	20	10	20	10.5	5.5	11	0.04
LUG6-50/12LVTIN	6438100321925	Al 6-50, Cu 6-35	33	50	60	20	10	20	12.5	5.5	11	0.04
LUG50-95/10LV	6438100321932	Al 50-95	50	73	86	25	14.5	25	10.5	7	14	0.08
LUG50-95/10LVTIN	6438100321949	Al 50-95, Cu 50-70	50	73	86	25	14.5	25	10.5	7	14	0.08
LUG50-95/12LVTIN	6438100321956	Al 50-95, Cu 50-70	50	73	86	25	14.5	25	12.5	7	14	0.08
LUG50-95/14LVTIN	6438100321963	Al 50-95, Cu 50-70	50	73	86	25	14.5	25	14	7	14	0.08
LUG95-185/12LV	6438100321970	Al 95-185	59	85	101	30	19	30	12,5	11	18	0.13
LUG95-185/12LVTIN	6438100321987	Al 95-185, Cu 95-150	59	85	101	30	19	30	12,5	11	18	0.13
LUG95-185/14LVTIN	6438100322007	Al 95-185, Cu 95-150	59	85	101	30	19	30	14	11	18	0.13
LUG95-185/16LVTIN	6438100321994	Al 95-185, Cu 95-150	59	85	101	30	19	30	16,5	11	18	0.13
LUG150-300/12LV	6438100322014	Al 150-300	71	111	132	42	25	42	12,5	13	22	0.33
LUG150-300/12LVTIN	6438100322021	Al 150-300, Cu 150-240	71	111	132	42	25	42	12,5	13	22	0.33
LUG150-300/16LVTIN	6438100322038	Al 150-300, Cu 150-240	71	111	132	42	25	42	16,5	13	22	0.33

Cable lugs and connectors

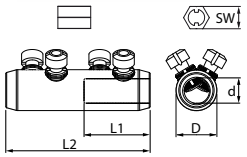
For medium voltage

MEDIUM

Shear head bolt connectors

The connector is used for jointing conductors of cables up to 36 kV. Because of the shear head bolt construction, no crimping tools are needed. The required torque is achieved by tightening the bolt until it breaks off. The adapter needed in tightening is included in the package. The connector is water tight. It is suitable for aluminium and copper conductors: solid and stranded, sector shaped and circular. The cable core insulation may be plastic or paper.

Product code	GTIN	Conductor size mm²	L1 mm	L2 mm	d mm	D mm	Weight (kg)
SMJ1.27	6418677446153	Al/Cu 10-95	34	70	14	26	0.115
SMJ2.47	6418677446177	Al/Cu 70-240	59	120	20	34	0.355
SMJ3.47	6438100307981	Al/Cu 120-300	64	130	25.5	37.7	0.47
M185-400	6438100317478	AL/Cu 185-400					0.60
M400-630	6418677447464	Al/Cu 400-630	94	200	34	52	0.8
M630-1000	6438100308711	Al/Cu 630-1000	105	220	41	65	1.9

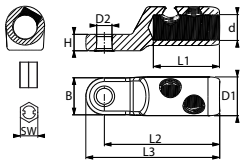


SMJ2.47

Shear head bolt cable lugs

The cable lug is used for terminating conductors of cables up to 36 kV. Because of the shear head bolt construction, no crimping tools are needed. The required torque is achieved by tightening the bolt until it breaks off. The adapter needed in tightening is included in the package. The lug is water tight. It is suitable for aluminium and copper conductors: solid and stranded, sector shaped and circular.

Product code	GTIN	Conductor size mm²	L1 mm	L2 mm	L3 mm	B mm	d mm	D1 mm	D2 mm	H mm	Weight (kg)
SML1.17	6418677457555	Al/Cu 10-95	32	59.5	74	26	14	26	13	10	0.095
SML1.172	6438100307950	Al/Cu 10-95	32	59.5	74	26	14	26	17	10	0.095
SML2.27	6418677457562	Al/Cu 70-240	57	103	119	34	20	34	13	14	0.28
SML2.272	6418677434860	Al/Cu 70-240	57	103	119	34	20	34	17	14	0.275
SML3.27	6438100307967	Al/Cu 120-300	64	106	126	38	25	38	13	14	0.35
SML3.272	6438100307974	Al/Cu 120-300	64	106	126	38	25	38	17	14	0.345
C185-400X12	6438100322618	Al/Cu 185-400	82	120	141	42	26	42	13	15	0.32
C400-630	6418677447457	Al/Cu 400-630	94	132	157	53	34	52	13	16	0.55
C630-1000X20	6438100308728	Al/Cu 630-1000	105	165	197	65	41	65	20	17	1.3



SML2.27

Low voltage solutions

Joints and terminations up to 1kV

The share of underground cabling in electricity distribution networks is increasing. Under the ground, the cables are protected against the demanding climate which makes the cable network very durable. Ensto's selection for underground distribution networks includes complete product packages for low voltage underground cable installations.

Products that are easy to install

Ensto's accessories for underground distribution networks comprise high quality product packages tested according to international standards. We are constantly developing our solutions and the cooperation with our customers offers significant help in the development work. Our extensive product selection includes cable lugs and cable connectors, indoor and outdoor terminations as well as joints for plastic and paper insulated cables up to 1kV.
Clear, illustrated, easy-to-follow installation instructions help in achieving a reliable result.

LOW

Terminations

- Packages include all components required for terminating a cable.
- Available both with and without cable lugs.

Cable joints

- For plastic and paper insulated cables including transition joints.
- Less money tied up in stock and more options for cable joints.
- Packages available both with and without shear-head bolt connectors.

Heat shrink tubes

- Production of heat shrinkable tubing in our new production facilities and with world-class machinery located in Porvoo, Finland.
- We use only the best, halogen-free raw materials.
- Ensto's own compound recipe is carefully developed and fine-tuned for the highest quality possible.

Product assortment »

Low voltage cable accessories

Heat shrink cable joints

Heat shrink joints

SJK joint kits

The joint kit is used for jointing 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for 4 to 4 core and 4 to 3+1 core cables. The kit includes four shear head bolt connectors suitable for both aluminium and copper conductors, grinding and cleaning materials, four heat shrink tubes for insulation and one for outer protection.

Product code	GTIN	Conductor size mm²	Connectors
SJK0C	6438100300944	Al /Cu 6-25	4 x SJ0.47
SJK1C	6418677459740	Al/Cu 16-50	4 x SLJ1.27
SJK1.1C	6438100306687	Al/Cu 16-50	4 x SLJ1.47
SJK2C	6418677459757	Al/Cu 50-95	4 x SLJ2.27
SJK2.1C	6438100306694	Al/Cu 50-95	4 x SLJ2.47
SJK3C	6418677459764	Al/Cu 95-240	4 x SLJ3.47
SJK4C	6418677459771	Al/Cu 150-300	4 x SLJ4.47

SJK joint kits without connectors

The joint kit is used for jointing 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for 4 to 4 core and 4 to 3+1 core cables. The kit includes grinding and cleaning materials, four heat shrink tubes for insulation and one for outer protection. The connectors are not included.

Product code	GTIN	Conductor size mm²
SJK0	6418677446443	6-25
SJK1	6418677403170	25-70
SJK2	6418677403194	50-120
SJK3	6418677403224	95-240
SJK4	6418677407772	150-300

SJKV joint kits

The joint kit is used for jointing 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for jointing 4+1 and 3+1 core cables. The kit includes five shear head bolt connectors suitable both for aluminium and copper conductors, grinding and cleaning materials, four heat shrink tubes for insulation and one for outer protection.

Product code	GTIN	Conductor size mm²	Connectors
SJKV0C	6438100301033	Al/Cu 6-25	5 x SJ0.47
SJKV1C	6438100301040	Al/Cu 16-50	5 x SLJ1.47
SJKV2C	6438100301057	Al/Cu 50-95	5 x SLJ2.47
SJKV3C	6438100301064	Al/Cu 95-240	5 x SLJ3.47
SJKV4C	6438100301071	Al/Cu 150-300	4 x SLJ4.47 + 1 x SLJ3.47

SJA additional kits for 3 core paper cables with Al-sheath to plastic cables

The additional kit is used together with a 1 kV joint kit SJK for jointing of belted paper insulated, aluminium sheathed 3 core cables. The kit is suitable for transition from belted paper insulated 3 core cable with Al sheath to 4 core plastic insulated cable. The kit includes three heat shrink tubes for protection of the paper insulation, a heat shrink breakout, a piece of H07V-K cable for jointing the aluminium sheaths.

Product code	GTIN	Conductor size mm²	Basic kit
With hose clips			
SJA1	6418677445675	Al/Cu 35-50	SJK1C
SJA2	6418677445682	Al/Cu 50-95	SJK2C
SJA3	6418677445699	Al/Cu 95-240	SJK3C, SJK4C

Heat shrink cable joints

LOW

SJAP additional kits for 3 core paper cables with Al-sheath

The additional kit is used together with the 1 kV joint kit SJK for jointing of aluminium sheathed 3 core belted paper cables (e.g. APAKM). The kit includes six heat shrink tubes for protection of the paper insulation, two heat shrink breakout, two pieces of H07V-K.

Product code	GTIN	Conductor size mm²	Basic kit
SJAP1	6418677452567	35-50	SJK1C
SJAP2	6418677452574	50-95	SJK2C
SJAP3	6418677452581	95-240	SJK3C, SJK4C

SJPP additional kits for 4 core paper cables with lead sheath

The additional kit is used together with the 1 kV joint kit SJK for jointing of belted paper insulated, lead sheathed, armoured 4 core cables. The kit includes eight heat shrink tubes for protection of the paper insulation, two heat shrink breakouts, tinned copper braids, two constant force spring.

Product code	GTIN	Conductor size mm²	Basic kit
SJPP50	6418677452598	10-50	SJK1C
SJPP120	6418677452604	70-120	SJK2C, SJK3C
SJPP240	6418677452611	150-240	SJK3C, SJK4C

SJPK transition joint kits for 4 core paper cables with lead sheath to 4 core plastic

The kit is used for jointing of 1 kV 4 core paper insulated, lead sheathed, armoured cables to 4 core plastic insulated cables.

Product code	GTIN	Conductor size mm²
Without connectors		
SJPK1	6438100318468	6-50
SJPK2	6438100318482	50-95
SJPK3	6438100318505	95-240
With connectors		
SJPK1C	6438100318437	6-50
SJPK2C	6438100318475	50-95
SJPK3C	6438100318499	95-240

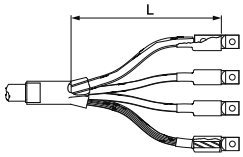
Low voltage cable accessories

Heat shrink cable terminations

Heat shrink terminations

STKO outdoor termination kits 4 core

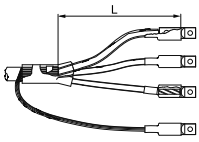
The termination kit is used for outdoor terminating of 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for 4 core cables. The kit includes four shear head bolt cable lugs suitable for both aluminium and copper, black and green/yellow heat shrink tubes for outer protection of the cores, four shorter heat shrink tubes for core sealing, and a heat shrink breakout for sealing.



Product code	GTIN	Conductor size mm²	Termination length L mm
With cable lugs			
STKO1A.27	6418677445477	Al/Cu 16-50	300
STKO2.27	6418677445491	Al/Cu 50-95	400
STKO3.27	6418677445507	Al/Cu 95-185	500
STKO4.27	6418677445514	Al/Cu 185-300	500
Without cable lugs			
STKO1A	6418677456343	Al/Cu 16-50	1000
STKO2	6418677456367	Al/Cu 50-95	1000
STKO3	6418677456374	Al/Cu 95-185	1000
STKO4	6418677456381	Al/Cu 185-300	1000

STKO outdoor termination kits 3+1 core

The termination kit is used for outdoor terminating of 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for 3+1 core cables (cables with concentric conductor). The kit includes four shear head bolt cable lugs suitable for both aluminium and copper, black and green/yellow heat shrink tubes for outer protection of the cores, four shorter heat shrink tubes for core sealing, and a heat shrink breakout for sealing.



Product code	GTIN	Conductor size mm²	Termination length L mm
STKO10.27	6418677445521	Al/Cu 10-35	300
STKO12.27	6418677445545	Al/Cu 50-95	400
STKO13.27	6418677445552	Al/Cu 95-185	500
STKO14.27	6418677445569	Al/Cu 185-300	500

STKI indoor termination kits 4 core

The termination kit is used for indoor terminating of 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for 4 core cables. The kit includes four shear head bolt cable lugs suitable for both aluminium and copper, four short heat shrink tubes for core sealing, a heat shrink breakout for sealing.

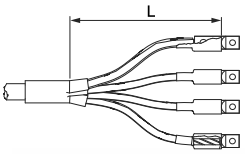
Product code	GTIN	Conductor size mm²
With cable lugs		
STKI1A.27	6418677445576	Al/Cu 16-50
STKI2.27	6418677445590	Al/Cu 50-95
STKI3.27	6418677445606	Al/Cu 95-185
STKI4.27	6418677445613	Al/Cu 185-300
Without cable lugs		
STKI1A	6418677456299	Al/Cu 16-50
STKI2	6418677456312	Al/Cu 50-95
STKI3	6418677456329	Al/Cu 95-185
STKI4	6418677456336	Al/Cu 185-300

Heat shrink cable terminations

LOW

STKI indoor termination kits 3+1 core

The termination kit is used for indoor terminating of 1 kV cables with plastic insulation and plastic outer sheath. The kit is suitable for 3+1 core cables (cables with concentric conductor). The kit includes four shear head bolt cable lugs suitable for both aluminium and copper, four short heat shrink tubes for core sealing, and a heat shrink breakout for sealing.



Product code	GTIN	Conductor size mm²
STKI11.27	6418677445637	Al/Cu 16-50
STKI12.27	6418677445644	Al/Cu 50-95
STKI13.27	6418677445651	Al/Cu 95-185
STKI14.27	6418677445668	Al/Cu 185-300

STA termination kits for paper cable with Al-sheath

The termination kit is used for indoor and outdoor terminating of 1 kV belted paper insulated, aluminium shielded 3 core cables. The kit includes four shear head bolt cable lugs suitable for both aluminium and copper, a piece of H07V-K cable for terminating the aluminium shield, black and blue heat shrink tubes for outer protection of the cores, four shorter heat shrink tubes for core sealing, and a heat shrink breakout for sealing.

Product code	GTIN	Conductor size mm²	Termination length L mm
With cable lugs			
STA1	6418677445705	Al/Cu 35-50	1000
STA2	6418677445712	Al/Cu 70-95	1000
STA3	6418677445729	Al/Cu 95-150	1000
STA4	6418677445736	Al/Cu 185-240	1000
Without cable lugs			
STA1.0	6418677456251	Al/Cu 35-50	1000
STA2.0	6418677456268	Al/Cu 70-95	1000
STA3.0	6416877456279	Al/Cu 95-150	1000
STA4.0	6418677456282	Al/Cu 185-240	1000

STPKR termination kits for 4 core paper cables with lead sheath

The kit is used for indoor and outdoor terminating of 1kV lead sheathed, steel tape armoured, belted paper insulated 4 core cables. The kit includes black and green/yellow heat shrink tubes for outer protection of the cores, shorter tubes for core sealing, a heat shrink breakout, components for earthing.

Product code	GTIN	Conductor size mm²	Termination length L mm
With cable lugs			
STPKR1	6418677454318	Al/Cu 35-50	1000
STPKR3	6418677454325	Al/Cu 70-185	1000
STPKR4	6418677454332	Al/Cu 185-300	1000
Without cable lugs			
STPKR1.27	6418677453892	Al/Cu 35-50	1000
STPKR3.27	6418677453908	Al/Cu 70-185	1000
STPKR4.27	6418677453915	Al/Cu 185-300	1000

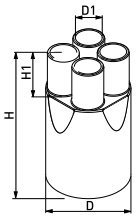
Low voltage cable accessories

Heat shrink products

Cable breakouts and end caps

SBO cable breakouts

The cable breakouts are used to protect the terminated cable ends against moisture and dirt. The breakouts are suitable for both plastic and belted paper insulated 1 kV cables. They are UV resistant and halogen free, and come with adhesive. The colour is black.



Product code	GTIN	No of cores	D max/min mm	D1 max/ min mm	Final wall thickness mm	H mm	H1 mm	Conductor size mm²
SBO2.1	6418677442865	2	33/10	14/3	2.0	90	20	2x6-35
SBO2.2	6418677442872	2	60/22	24/7	3.0	120	35	2x50-95
SBO3.1	6418677442889	3	38/14	15/4	1.5	110	20	3x6-50
SBO3.3	6418677442896	3	60/22	26/8	3.0	185	45	3x50-120
SBO3.4	6418677442902	3	80/33	36/16	3.2	210	50	3x120-240
SBO3.5	6418677442919	3	110/47	48/20	3.0	250	75	3x240-300
SBO4.1	6418677442933	4	48/14	15/4	1.5	105	25	4x6-50
SBO4.2	6418677442940	4	55/25	20/6	3.0	180	45	4x50-95
SBO4.3	6418677442957	4	72/22	25/9	3.0	190	45	4x50-185
SBO4.4	6418677442964	4	100/33	35/14	3.0	215	50	4x95-300
SBO5.1	6438100306618	5	40/19	13/4	2.0	98	25	5x25-35
SBO5.2	6438100306625	5	55/24	18/5	2.6	155	40	5x50-95
SBO5.3	6438100306632	5	80/33	26/8	2.8	175	53	5x95-185
SBO5.4	6438100306649	5	100/42	34/10	3.0	190	60	5x150-300

SEC cable end caps

Cable end caps are used to protect the cable ends against moisture and dirt. The end caps are useful especially when cables are stored outdoors. The caps are suitable for both plastic and belted paper insulated 1 kV cables as well as for telecommunication cables. They are UV resistant and halogen free and with adhesive. The colour is black.

Product code	GTIN	Length mm	Diameter max/min mm	Final wall thickness mm
SEC1.1	6418677442797	45	15/5	2.3
SEC1.2	6418677442803	70	25/9	3.0
SEC1.3	6418677442810	102	40/15	3.2
SEC1.4	6418677442827	118	63/24	3.7
SEC1.5	6418677442834	133	75/32	4.3
SEC1.6	6418677442841	164	106/45	4.5
SEC1.7	6418677442858	155	120/57	4.0

Heat shrink products

LOW

Medium wall heat shrink tubes

CPEEL medium wall tubes with adhesive

Medium wall heat shrink tubes are used for insulation and outer protection for 1 kV cables. The tubes are UV resistant and halogen free. The colour is black.

Product code	GTIN	Length mm	Diameter max/min mm	Final wall thickness mm
CPEEL12-3/1000	6418677417122	1000	12/3	1.5
CPEEL19-6/1000	6418677442506	1000	19/6	1.5
CPEEL30-8/1000	6418677442513	1000	30/8	2.0
CPEEL40-12/1000	6418677417153	1000	40/12	2.0
CPEEL50-16/1000	6418677442520	1000	50/16	2.0
CPEEL63-19/1000	6418677417177	1000	63/19	2.5
CPEEL75-22/1000	6418677437991	1000	75/22	3.0
CPEEL95-30/1000	6418677442537	1000	95/30	3.3
CPEEL115-34/1000	6418677442544	1000	115/34	3.3
CPEEL140-42/1000	6418677417207	1000	140/42	3.5

Thick wall heat shrink tubes

CPEEPL thick wall tubes with adhesive

Thick wall heat shrink tubes are used for insulation and outer protection for 1 kV cables. The tubes are UV resistant and halogen free. The colour is black.

Product code	GTIN	Length mm	Diameter max/min mm	Final wall thickness mm
CPEEPL13-4/1000	6418677442636	1000	13/4	2.2
CPEEPL19-6/1000	6418677442643	1000	22/6	2.3
CPEEPL33-8/1000	6418677417337	1000	33/8	3.2
CPEEPL45-12/1000	6418677417344	1000	45/12	4.0
CPEEPL51-16/1000	6418677442650	1000	51/16	4.0
CPEEPL68-22/1000	6418677442667	1000	68/22	4.0
CPEEPL85-25/1000	6418677442674	1000	85/25	4.2
CPEEPL130-36/1000	6418677442681	1000	130/36	4.2
CPEEPL165-50/1000	6418677442698	1000	165/50	4.2

Medium voltage solutions

Joints and terminations for up to 42kV

An underground cable network is relatively maintenance free and has a long service life. Ensto's solutions for underground distribution networks offer functional and reliable medium voltage accessories with both heat and cold shrink technologies. Moreover, our hybrid joints and terminations are an effective and durable combination of both technologies. The products have been tested according to international standards. Clear installation instructions help in achieving a uniform and reliable end result.

Heat shrink accessories

Ensto heat shrink products cover 12–36kV indoor and outdoor terminations and joints. The selection includes separate accessories for both plastic and paper insulated cables and for transition joints. The packages contain all components required in a cable termination or joint. The stress control tube and the insulating sleeve are combined in the joints. This reduces the number of components and makes installation work quicker.

Cable joints

- Dual layer stress control technology in 24kV solutions.
- Packages available both with and without connectors.

Terminations

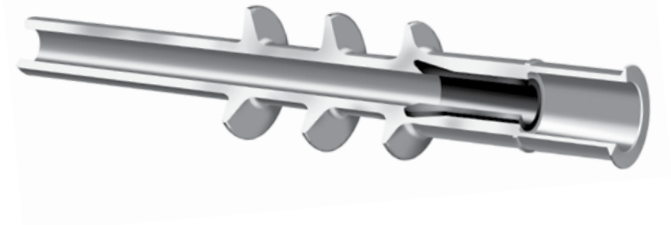
- Easily shrinkable stress control tube.
- Reliable, conventional structure.
- Stress control using a separate tube for good and uniform shrinkage – especially in tight spaces.

Cold shrink and hybrid accessories

Cold shrink accessories enable working in places where hot work permits are difficult to obtain or where hot work is otherwise not possible. E.g. oil refineries, many chemical plants and other industrial facilities tend to favour work methods that do not require hot work. The hybrid joints, on the other hand, are a carefully selected combination of cold and heat shrink components that together ensure a durable joint.
Ensto's hybrid joints, cold shrink terminations and separable connectors have multiple uses and a wide range of applications can be covered fully with only a small number of products. The installation work is fast because there are only a few work steps. The packages contain all components required in terminating or jointing cables.

Cable joints

- Spiral technology: quick and easy to install.
- Cold shrink and hybrid joints.
- All-in-one joints.



Cable terminations

- One termination tube combining stress control, rainsheds and antitracking tube.
- Spiral technology.
- Ready for use right after the installation.
- Indoor and outdoor terminations.

Screened Separable Connectors

- For installing plastic cables (12 and 24kV) for transformers, motors, and especially SF6 switchgears both indoors and outdoors.
- Installation is quick and easy.

Product assortment »

Medium voltage cable accessories

Heat shrink cable joints

Heat shrink joints

HJW11 joint kits AHXAMK-W

The joint kit is used for jointing of max. 24 kV cables with XLPE insulation and aluminium tape shield. The kit is suitable for AHXAMK-W cables, containing the components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV
24 kV without connectors			
HJW11.2402	6418677446993	Al/Cu 50-120	Al/Cu 25-95
HJW11.2403	6418677447006	Al/Cu 120-240	Al/Cu 95-240
HJW11.2404	6418677447013	Al/Cu 240-300	Al/Cu 150-300
24 kV with connectors			
HJW11.2402C	6418677447051	Al/Cu 50-95	Al/Cu 25-95
HJW11.2403C	6418677447068	Al/Cu 120-240	Al/Cu 70-240
HJW11.2404C	6418677447075	Al/Cu 240-300	Al/Cu 150-300

HJ11 joint kits 1 core XLPE

The joint kit is used for jointing of medium voltage cables with XLPE insulation and copper wire shield. The kit is suitable for single core cables and it contains the components for one core.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJ11.1201	6418677444715	Al/Cu 10-95
HJ11.1202	6418677444739	Al/Cu 35-95
HJ11.1203	6418677444753	Al/Cu 95-240
HJ11.1204	6418677444777	Al/Cu 150-300
HJ11.1205	6418677444791	Al/Cu 400-630
HJ11.1206	6418677444814	Al/Cu 800-1000
12 kV with connectors		
HJ11.1201C	6418677444722	Al/Cu 10-95
HJ11.1202C	6418677444746	Al/Cu 35-95
HJ11.1203C	6418677444760	Al/Cu 95-240
HJ11.1204C	6418677444784	Al/Cu 150-300
HJ11.1205C	6418677444807	Al/Cu 400-630
HJ11.1206C	6418677444821	Al/Cu 800-1000
24 kV without connectors		
HJ11.2402	6418677444852	Al/Cu 25-95
HJ11.2403	6418677444876	Al/Cu 95-240
HJ11.2404	6418677444890	Al/Cu 150-300
HJ11.2405	6418677444913	Al/Cu 400-630
HJ11.2406	6418677448492	Al/Cu 800-1000
24 kV with connectors		
HJ11.2402C	6418677444869	Al/Cu 25-95
HJ11.2403C	6418677444883	Al/Cu 95-240
HJ11.2404C	6418677444906	Al/Cu 150-300
HJ11.2405C	6418677444920	Al/Cu 400-630
HJ11.2406C	6418677448508	Al/Cu 800-1000
36 kV without connectors		
HJ11.3601	6418677444937	Al/Cu 25-95
HJ11.3602	6418677444951	Al/Cu 95-150
HJ11.3603	6418677444975	Al/Cu 150-300
HJ11.3604	6418677444999	Al/Cu 400-630
HJ11.3605	6418677453458	Al/Cu 800-1000
36 kV with connectors		
HJ11.3601C	6418677444944	Al/Cu 25-95
HJ11.3602C	6418677444968	Al/Cu 95-150
HJ11.3603C	6418677444982	Al/Cu 150-300
HJ11.3604C	6418677445002	Al/Cu 400-630
HJ11.3605C	6438100309855	Al/Cu 800-1000

Heat shrink cable joints

MEDIUM

HJ33 joint kits 3 core XLPE

The joint kit is used for jointing of medium voltage cables with XLPE insulation and copper wire shield. The kit is suitable for three core cables.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJ33.1201	6418677445019	Al/Cu 10-95
HJ33.1202	6418677445033	Al/Cu 35-95
HJ33.1203	6418677445057	Al/Cu 95-240
HJ33.1204	6418677445071	Al/Cu 150-300
12 kV with connectors		
HJ33.1201C	6418677445026	Al/Cu 10-95
HJ33.1202C	6418677445040	Al/Cu 35-95
HJ33.1203C	6418677445064	Al/Cu 95-240
HJ33.1204C	6418677445088	Al/Cu 150-300
24 kV without connectors		
HJ33.2402	6418677445156	Al/Cu 10-95
HJ33.2403	6418677445170	Al/Cu 95-240
HJ33.2404	6418677445194	Al/Cu 150-300
24 kV with connectors		
HJ33.2402C	6418677445163	Al/Cu 10-95
HJ33.2403C	6418677445187	Al/Cu 95-240
HJ33.2404C	6418677445200	Al/Cu 150-300
HJ33.2405C	6418677445224	Al/Cu 185-400
36 kV without connectors		
HJ33.3601	6418677445231	Al/Cu 25-95
HJ33.3602	6418677445255	Al/Cu 95-150
HJ33.3603	6418677445279	Al/Cu 120-300
HJ33.3604	6418677445293	Al/Cu 185-400
36 kV with connectors		
HJ33.3601C	6418677445248	Al/Cu 25-95
HJ33.3602C	6418677445262	Al/Cu 95-150
HJ33.3603C	6418677445286	Al/Cu 120-300
HJ33.3604C	6418677445309	Al/Cu 185-400

HJP11 joint kits 3 core paper

The joint kit is used for jointing of medium voltage cables with paper insulation and individual lead or aluminium sheaths. The kit is suitable for three core cables, both armoured and non-armoured.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJP11.2402	6418677449321	Al/Cu 35-95
HJP11.2403	6418677449222	Al/Cu 95-240
24 kV with connectors		
HJP11.2402C	6418677449338	Al/Cu 35-95
HJP11.2403C	6418677449239	Al/Cu 95-240

HJHP33 joint kits 3 core H-paper

The joint kit is used for jointing of max. 24 kV three core cables with screened paper insulation, lead sheath and armour.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJHP33.2402	6418677455322	Al/Cu 35-95
HJHP33.2403	6418677455346	Al/Cu 95-240
24 kV with connectors		
HJHP33.2402C	6418677455315	Al/Cu 35-95
HJHP33.2403C	6418677455339	Al/Cu 95-240

Medium voltage cable accessories

Heat shrink cable joints

HJP33 joint kits 3 core belted paper

The joint kit is used for jointing of medium voltage cables with belted paper insulation and lead or aluminium sheath. The kit is suitable for three core cables, both armoured and non-armoured.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJP33.1202	6418677447365	Al/Cu 50-95
HJP33.1203	6418677447389	Al/Cu 95-240
HJP33.1204	6438100306441	Al/Cu 150-300
12 kV with connectors		
HJP33.1202C	6418677447372	Al/Cu 50-70
HJP33.1203C	6418677447396	Al/Cu 95-185
HJP33.1204C	6438100306458	Al/Cu 150-240

HJTW11 transition joint kits 3 core paper to AHAXMK-W

The joint kit is used for jointing of paper insulated max. 24 kV cables with individual metal sheaths to AHXAMK-W cables. The kit suits for unarmoured paper insulated cables as it is. For armoured paper insulated cables an additional kit SJEW20 is needed.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJTW11.2402	6418677449192	Al/Cu 50-95
HJTW11.2403	6418677449178	Al/Cu 95-240
HJTW11.2404	6418677450679	Al/Cu 185-300
24 kV with connectors		
HJTW11.2402C	6418677449208	Al/Cu 50-95
HJTW11.2403C	6418677449185	Al/Cu 95-240
HJTW11.2404C	6418677450686	Al/Cu 185-300
Additional earthing kit for armoured paper insulated cable		
SJEW20	6418677449161	Al/Cu 35-300

HJT11 transition joint kits 3 core paper to 1 core XLPE

The joint kit is used for jointing of max. 24 kV three core cables with paper insulation and individual lead or aluminium sheaths, armoured or non armoured, to single core cables with XLPE insulation and copper wire shield.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJT11.2402	6438100300258	Al/Cu 50-95
HJT11.2403	6438100300272	Al/Cu 95-240
HJT11.2404	6438100300296	Al/Cu 185-300
24 kV with connectors		
HJT11.2402C	6438100300265	Al/Cu 50-95
HJT11.2403C	6438100300289	Al/Cu 95-240
HJT11.2404C	6438100300302	Al/Cu 185-300

HJT13 transition joint kits 3 core paper to 3 core XLPE

The joint kit is used for jointing of max. 24 kV three core cables with paper insulation and individual lead or aluminium sheaths, armoured or non armoured, to three core cables with XLPE insulation and copper wire shield.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJT13.2402	6438100304027	Al/Cu 50-95
HJT13.2403	6438100304041	Al/Cu 95-240
HJT13.2404	6438100304065	Al/Cu 185-300
24 kV with connectors		
HJT13.2402C	6438100304034	Al/Cu 50-95
HJT13.2403C	6438100304058	Al/Cu 95-240
HJT13.2404C	6438100304072	Al/Cu 185-300

Heat shrink cable joints

MEDIUM

HJHT31 transition joint kits 3 core H-paper to 1 core XLPE

The joint kit is used for jointing of max. 24 kV three core cables with screened paper insulation, lead sheath and armour to single core cables with XLPE insulation and copper wire shield.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJHT31.2402	6418677455209	Al/Cu 25-95
HJHT31.2403	6418677455223	Al/Cu 95-240
24 kV with connectors		
HJHT31.2402C	6418677455193	Al/Cu 35-95
HJHT31.2403C	6418677455216	Al/Cu 95-240

HJHT33 transition joint kits 3 core H-paper to 3 core XLPE

The joint kit is used for jointing of max. 24 kV three core cables with screened paper insulation, lead sheath and armour to three core cables with XLPE insulation and copper wire shield.

Product code	GTIN	Conductor size mm²
24 kV without connectors		
HJHT33.2402	6418677455247	Al/Cu 35-95
HJHT33.2403	6418677455261	Al/Cu 95-240
24 kV with connectors		
HJHT33.2402C	6418677455230	Al/Cu 35-95
HJHT33.2403C	6418677455254	Al/Cu 95-240

HJT31 transition joint kits 3 core belted paper to 1 core XLPE

The joint kit is used for jointing of medium voltage three core cables with belted paper insulation and lead or aluminium sheath, either armoured or non-armoured, to single core cables with XLPE insulation and copper wire or tape shield. When jointing to an AHXAMK-W cable an additional earthing kit SJEW10 is required.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJT31.1202	6418677447402	Al/Cu Paper 50-95 - XLPE 35-95
HJT31.1203	6418677447426	Al/Cu Paper 95-240 - XLPE 95-240
HJT31.1204	6418677458989	Al/Cu Paper 150-300 - XLPE 150-300
12 kV with connectors		
HJT31.1202C	6418677447419	Al/Cu Paper 50-70 - XLPE 35-95
HJT31.1203C	6418677447433	Al/Cu Paper 95-185 - XLPE 95-240
HJT31.1204C	6418677458972	Al/Cu Paper 150-240 - XLPE 150-300
Additional earthing kit for AHXAMK-W		
SJEW10	6418677449154	Al/Cu 35-240

HJT33 transition joint kits 3 core belted paper to 3 core XLPE

The joint kit is used for jointing of medium voltage three core cables with belted paper insulation and lead or aluminium sheath, either armoured or non-armoured, to three core cables with XLPE insulation and copper wire shield.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJT33.1202	6418677453267	Al/Cu Paper 50-95 - XLPE 35-95
HJT33.1203	6418677452260	Al/Cu Paper 95-240 - XLPE 95-240
HJT33.1204	6418677459009	Al/Cu Paper 150-300 - XLPE 150-300
12 kV with connectors		
HJT33.1202C	6418677453274	Al/Cu Paper 50-70 - XLPE 35-95
HJT33.1203C	6418677452253	Al/Cu Paper 95-185 - XLPE 95-240
HJT33.1204C	6418677458996	Al/Cu Paper 150-240 - XLPE 150-300

Medium voltage cable accessories

Heat shrink cable joints

HJU33 joint kits universal cables

The joint kit is used for jointing of max. 24 kV three core universal cables EXCEL, FXCEL and AXCES without tensioning.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV
HJU33.2401	6418677450754	10-16	10-16
HJU33.2402	6418677450761	70-95	70-95

HJ33 PVC heat shrink joint

The joint kit is used for jointing of max. 7,2 kV cables with PVC insulation and copper wire shield. The kit is suitable for three core cables.

Product code	GTIN	Conductor size mm²
HJ33.0602C	6438100313470	Al/Cu 35-95
HJ33.0603C	6438100313487	Al/Cu 95-240

HJ11_R joint kits 3 core XLPE armoured

The joint kit is used for jointing of max. 12 kV armoured cables with XLPE insulation and copper tape shield. The kit is suitable for single core cables containing the components for one core.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJ11.1212R	6438100326944	Al/Cu 35-95
HJ11.1213R	6438100326968	Al/Cu 95-240
HJ11.1214R	6438100326982	Al/Cu 150-300
HJ11.1215R	6438100327002	Al/Cu 400-630
HJ11.1216R	6438100327026	Al/Cu 630-1000
12 kV with connectors		
HJ11.1212RC	6438100326951	Al/Cu 35-95
HJ11.1213RC	6438100326975	Al/Cu 95-240
HJ11.1214RC	6438100326999	Al/Cu 150-300
HJ11.1215RC	6438100327019	Al/Cu 400-630
HJ11.1216RC	6438100327033	Al/Cu 630-1000

HJ33_R joint kits 3 core XLPE armoured

The joint kit is used for jointing of armoured cables with XLPE insulation and copper tape shield on each core. The HJ33 kits for three core cables with steel tape or steel wire armour.

Product code	GTIN	Conductor size mm²
12 kV without connectors		
HJ33.1212R	6438100315696	Al/Cu 35-95
HJ33.1213R	6438100315702	Al/Cu 95-240
HJ33.1214R	6438100315719	Al/Cu 150-300
12 kV with connectors		
HJ33.1212RC	6438100314569	Al/Cu 35-95
HJ33.1213RC	6438100314927	Al/Cu 95-240
HJ33.1214RC	6438100314934	Al/Cu 150-300

SJEW additional kits 3 core XLPE to AHXAMK-W

The additional kit is used when jointing of max. 24 kV 3 core cables with copper wire shield to AHXAMK-W cables HJW11 type basic kit is needed.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV
SJEW42	6418677449345	25-95	25-95
SJEW43	6418677449352	95-300	95-300

Heat shrink and cold shrink cable joints

MEDIUM

SJE additional kits 1 core XLPE to 3 core XLPE

The additional kit is used when jointing of max. 24 kV three core XLPE insulated cables with copper wire shield to single core XLPE insulated cables with copper wire shield. HJ11 type basic kits are needed for SJE42 and SJE43 and a HJ33 type basic kit for SJE44 and SJE45.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV
SJE42	6418677452062	25-95	25-95
SJE43	6418677452079	95-300	95-300
SJE44	6438100300135	25-95	25-95
SJE45	6438100300142	95-300	95-300

Cold shrink joints

CJH11 hybrid joint kits 1 core XLPE with Cu wire shield with heat shrink outer sheath

The joint kit is used for jointing of max. 24 kV cables with XLPE insulation and copper wire shield. The kit is suitable for single core cables, containing the components for one core.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Conductor size mm² 36-42 kV	Min. diameter on the insulation mm
24 kV with connectors (Al/Cu)					
CJH11.2402C	6438100307110	35-95	10-95		13,8
CJH11.2403C	6438100307066	95-240	70-240		18,4
CJH11.2404C	6438100307189	240-300	185-300		25,3
CJH11.24045C	6438100321338	240-400	185-400		25,3
CJH11.2405C	6438100316808	400-630	400-630		31,1
CJH11.2406C	6438100316822	630-1000	630-1000		36,8
42 kV with connectors (Al/Cu)					
CJH11.4202C	6438100308162			10-95	20,7
CJH11.4203C	6438100308186			70-240	25,3
CJH11.4204C	6438100308209			120-300	25,3
CJH11.42045C	6438100324476			185-400	25,3
CJH11.4205C	6438100308209			400-630	31,1
CJH11.4206C	6438100321406			630-1000	36,8

CJWH hybrid joint kits AHXAMK-W with heat shrink outer sheath

The joint kit is used for jointing of max. 24 kV cables with XLPE insulation and copper wire shield. The kit is suitable for AHXAMK-W cable, containing the components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Conductor size mm² 36-42 kV	Min. diameter on the insulation mm
24 kV with connectors (Al/Cu)					
CJWH11.2402C	6438100304447	35-95	10-95		13,8
CJWH11.2403C	6438100304454	95-240	70-240		18,4
CJWH11.2404C	6438100304461	185-300	185-300		25,3
CJWH11.2405C	6438100323400	Al/Cu 400-630	Al/Cu 400-630		31
CJWH11.2406C	6438100323424	Al/Cu 800-1000	Al/Cu 800-1000		36.8
42 kV with connectors (Al/Cu)					
CJWH11.4203C	6438100317775			Al/Cu 70-240	25,3
CJWH11.4204C	6438100317782			Al/Cu 120-300	25,3
CJWH11.4205C	6438100321390			Al/Cu 400-630	31
CJWH11.4206C	6438100324759			Al/Cu 630-1000	36,8

Medium voltage cable accessories

Cold shrink cable joints

CJH33 hybrid joint kits 3 core XLPE with Cu wire shield with heat shrink outer sheath

The joint kit is used for jointing of max. 24 kV cables with XLPE insulation and copper wire shield. The kit is suitable for three core cables, containing the components for all three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Min. diameter on the insulation mm
24 kV with connectors (Al/Cu)				
CJH33.2402C	6438100307462	70-95	25-95	16,5
CJH33.2403C	6438100307486	150-240	95-240	22,5
CJH33.2404C	6438100317911	300	185-300	27,5

CJH33 hybrid joint kits 3 core XLPE TT with Cu wire shield with heat shrink outer sheath

The joint kit is used for jointing of medium voltage cables with XLPE insulation and copper wire shield. The kit is suitable for radially water tight (TT) three core cables.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Min. diameter on the insulation mm
24 kV with connectors (Al/Cu)				
CJH33.2402CTT	6438100319670	70-95	25-95	16,5
CJH33.2403CTT	6438100319687	150-240	95-240	22,5

CJ11 joint kits 1 core XLPE with Cu wire shield with silicone outer sheath

The joint kit is used for jointing of max. 24 kV cables with XLPE insulation and copper wire shield. The kit is suitable for single core cables, containing the components for one core.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Conductor size mm² 36-42 kV	Min. diameter on the insulation mm
24 kV with connectors (Al/Cu)					
CJ11.2402C	6438100301095	35-95	10-95		13,8
CJ11.2403C	6438100300548	95-240	70-240		18,4
CJ11.2404C	6438100302979	240-300	185-300		25,3
CJ11.24045C	6438100321376	240-400	185-400		25,3
42 kV with connectors (Al/Cu)					
CJ11.4202C	6438100307691			10-95	19,8
CJ11.4203C	6438100307714			70-240	25,3
CJ11.4204C	6438100307738			120-300	25,3
CJ11.42045C	6438100324803			185-400	31

CJAIO11 All-in-One joint kits for 1 core XLPE with Cu wire

CJAIO11 (AIO) joint kit is used for jointing of medium voltage cables with XLPE insulation with copper wire screen. The kit is suitable for single core cables, containing the components for one core.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Conductor size mm² 36 kV	Min. diameter on the insulation mm
24 kV with connector, 25mm² screen					
CJAIO11.2403C	6438100320782	95-240	70-240		18,4
CJAIO11.2402C	6438100327415	35-95	10-95		13.4
CJAIO11.2404C	6438100327422	240-300	185-300		25.3
CJAIO11.2405C	6438100327439	400-630	400-630		31.1
36 kV with connector, 25mm² screen					
CJAIO11.3602C	6438100327828			25-95	18,4
CJAIO11.3603C	6438100319434			70-240	18,4
CJAIO11.3604C	6438100319748			120-300	25.3
CJAIO11.3605C	6438100319960			400-630	31.1

Cold shrink cable joints

MEDIUM

CJAIOT11 All-in-One transition joint kits 1 core XLPE Cu wire and Al laminate screen to 1 core paper cable with Al or Pb sheath

CJAIOT11 (AIOT) joint kit is used for jointing of medium voltage cables with XLPE insulation with copper wire screen or aluminium laminate shield to paper cable with aluminium or lead sheath. The kit is suitable for single core cables, containing the components for one core.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Min. diameter on the insulation mm
24 kV with connector				
CJAIOT11.2403C	6438100320775	95-240	70-240	18,4

CJAIO11 All-in-One repair joint kits for 1 core XLPE with Cu wire and Al laminate screen

CJAIO11 -REP(AIO) joint kit is used for repairing medium voltage cables with XLPE insulation with copper wire screen or Al laminate shield. Length of repair joint is 1 m and the kit contains the components for one core.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Conductor size mm² 36-42 kV	Min. diameter on the insulation mm
36 kV with connector					
CJAIO11.3603C-REP	6438100316648	95-240	70-240	70-240	18,4

CJAIOW11 All-in-One joint for AHXAMK-W cable

The joint kit is used for jointing of max. 24 kV cables with XLPE insulation and aluminium tape shield. The kit is suitable for AHXAMK-W cables, containing the components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Min. diameter on the insulation mm
24 kV with connector				
CJAIOW11.2403C	6438100321154	95-240	70-240	18,4

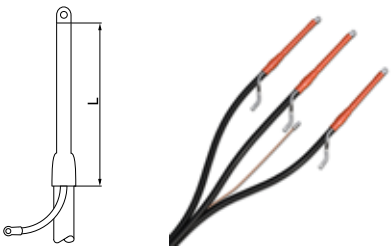
Medium voltage cable accessories

Heat shrink cable terminations

Heat shrink terminations

HITHW1 indoor termination kits AHXAMK-W

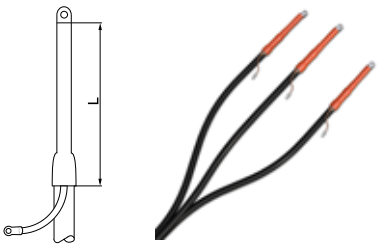
The termination kit is used for indoor terminating of XLPE insulated medium voltage cables with aluminium tape shield, especially in transformer cabinets. The kit is suitable for AHXAMK-W cables, containing the components for three cores.



Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm
24 kV without cable lugs					
HITHW1.2402	6438100305758	Al/Cu 50-120	Al/Cu 25-95	420	90
HITHW1.2403	6438100305772	Al/Cu 120-240	Al/Cu 95-240	420	115
HITHW1.2404	6438100305796	Al/Cu 240-300	Al/Cu 150-300	420	115
24 kV with cable lugs					
HITHW1.2402L	6438100305765	Al/Cu 50-95	Al/Cu 25-95	420	90
HITHW1.2403L	6438100305789	Al/Cu 120-240	Al/Cu 95-240	420	115
HITHW1.2404L	6438100305802	Al/Cu 240-300	Al/Cu 150-300	420	115

HIT1 indoor termination kits 1 core XLPE

The termination kit is used for indoor terminating of XLPE insulated medium voltage cables with copper wire shield. The kit is suitable for single core cables, containing components for three cores.

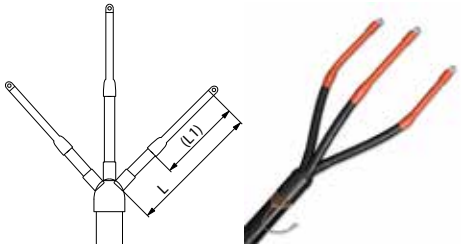


Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HIT1.1201	6418677444074	Al/Cu 10-35	330		
HIT1.1202	6418677444098	Al/Cu 35-95	330		
HIT1.1203	6418677444111	Al/Cu 95-240	330		
HIT1.1204	6418677444135	Al/Cu 150-300	330		
HIT1.1205	6418677444159	Al/Cu 400-630	400		
HIT1.1206	6418677444173	Al/Cu 800-1000	430		
12 kV with cable lugs					
HIT1.1201L	6418677444081	Al/Cu 10-35	330		
HIT1.1202L	6418677444104	Al/Cu 35-95	330		
HIT1.1203L	6418677444128	Al/Cu 95-240	330		
HIT1.1204L	6418677444142	Al/Cu 150-300	330		
HIT1.1205L	6418677444166	Al/Cu 400-630	400		
HIT1.1206L	6418677444180	Al/Cu 800-1000	430		
24 kV without cable lugs					
HIT1.2402	6418677444210	Al/Cu 25-95	420		
HIT1.2403	6418677444234	Al/Cu 95-240	420		
HIT1.2405	6418677444272	Al/Cu 400-630	450	130	1
HIT1.2406	6418677444296	Al/Cu 800-1000	480	130	1
24 kV with cable lugs					
HIT1.2402L	6418677444227	Al/Cu 25-95	420		
HIT1.2403L	6418677444241	Al/Cu 95-240	420		
HIT1.2404L	6418677444265	Al/Cu 150-300	420		
HIT1.2405L	6418677444289	Al/Cu 400-630	450	130	1
HIT1.2406L	6418677444302	Al/Cu 800-1000	480	130	1
36 kV without cable lugs					
HIT1.3601	6418677444319	Al/Cu 25-95	520	115	2
HIT1.3602	6418677444333	Al/Cu 95-150	520	115	2
HIT1.3603	6418677444357	Al/Cu 120-300	520	130	2
HIT1.3604	6418677444371	Al/Cu 400-630	550	130	2
HIT1.3605	6418677453502	Al/Cu 800-1000	580	130	2
36 kV with cable lugs					
HIT1.3601L	6418677444326	Al/Cu 25-95	520	115	2
HIT1.3602L	6418677444340	Al/Cu 95-150	520	115	2
HIT1.3603L	6418677444364	Al/Cu 120-300	520	130	2
HIT1.3604L	6418677444388	Al/Cu 400-630	550	130	2
HIT1.3605L	6438100309862	Al/Cu 800-1000	580	130	2

Heat shrink cable terminations

HIT3 indoor termination kits semi conductive 3 core XLPE

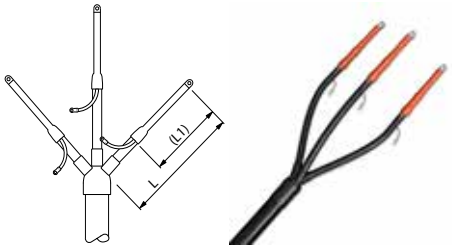
The termination kit is used for indoor terminating of medium voltage cables with XLPE insulation and copper wire shield. The kit is suitable for three core cables. The surface of the lower part of the termination is semi conductive in order to decrease surface discharging in moist conditions.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HIT3.1211	6438100311490	Al/Cu 10-35	500-1100 (L1 = 330)		
HIT3.1212	6438100311513	Al/Cu 35-95	500-1100 (L1 = 330)		
HIT3.1213	6438100311544	Al/Cu 95-240	500-1100 (L1 = 330)		
HIT3.1214	6438100311568	Al/Cu 150-300	500-1100 (L1 = 330)		
12 kV with cable lugs					
HIT3.1211L	6438100311506	Al/Cu 10-35	500-1100 (L1 = 330)		
HIT3.1212L	6438100311520	Al/Cu 35-95	500-1100 (L1 = 330)		
HIT3.1213L	6438100311551	Al/Cu 95-240	500-1100 (L1 = 330)		
HIT3.1214L	6438100311575	Al/Cu 150-300	500-1100 (L1 = 330)		
24 kV without cable lugs					
HIT3.2412	6438100311582	Al/Cu 10-95	500-1100 (L1 = 380)		
HIT3.2413	6438100311605	Al/Cu 95-240	500-1100 (L1 = 380)		
HIT3.2414	6438100311629	Al/Cu 150-300	500-1100 (L1 = 380)		
24 kV with cable lugs					
HIT3.2412L	6438100311599	Al/Cu 10-95	500-1100 (L1 = 380)		
HIT3.2413L	6438100311612	Al/Cu 95-240	500-1100 (L1 = 380)		
HIT3.2414L	6438100311636	Al/Cu 150-300	500-1100 (L1 = 380)		
36 kV without cable lugs					
HIT3.3611	6438100311643	Al/Cu 25-95	650-1100 (L1 = 380)	115	2
HIT3.3612	6438100311667	Al/Cu 95-150	650-1100 (L1 = 380)	115	2
HIT3.3613	6438100311681	Al/Cu 120-300	650-1100 (L1 = 380)	145	2
36 kV with cable lugs					
HIT3.3611L	6438100311650	Al/Cu 25-95	650-1100 (L1 = 380)	115	2
HIT3.3612L	6438100311674	Al/Cu 95-150	650-1100 (L1 = 380)	115	2
HIT3.3613L	6438100311698	Al/Cu 120-300	650-1100 (L1 = 380)	145	2

HIT31 indoor termination kits 3 to 1 core XLPE

The termination kit is used for indoor terminating of medium voltage three core cables with XLPE insulation and copper wire shield. The kit transfers a three core cable to three single core shielded cables.



Product code	GTIN	Conductor size mm²	Termination length L mm
12 kV without cable lugs			
HIT31.1202	6438100320423	Al/Cu 35-95	500-2000 (L1 = 330)
HIT31.1203	6438100320447	Al/Cu 95-240	500-2000 (L1 = 330)
12 kV with cable lugs			
HIT31.1202L	6438100320430	Al/Cu 35-95	500-2000 (L1 = 330)
HIT31.1203L	6438100320454	Al/Cu 95-240	500-2000 (L1 = 330)
24 kV without cable lugs			
HIT31.2402	6438100320461	Al/Cu 10-95	500-2000 (L1 = 380)
HIT31.2403	6438100320485	Al/Cu 95-240	500-2000 (L1 = 380)
24 kV with cable lugs			
HIT31.2402L	6438100320478	Al/Cu 10-95	500-2000 (L1 = 380)
HIT31.2403L	6438100320492	Al/Cu 95-240	500-2000 (L1 = 380)

Medium voltage cable accessories

Heat shrink cable terminations

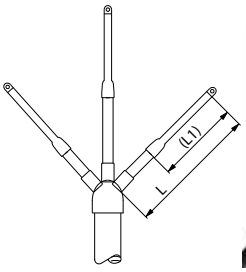
HIT1_R indoor termination kits 1 core XLPE armoured

The termination kit is used for indoor terminating of max. 12 kV armoured cables with XLPE insulation and copper tape shield.

Product code	GTIN	Conductor size mm²	Termination length L mm
12 kV without cable lugs			
HIT1.1212R	6438100327040	Al/Cu 35-95	420
HIT1.1213R	6438100327064	Al/Cu 95-240	420
HIT1.1214R	6438100327088	Al/Cu 150-300	420
HIT1.1215R	6438100327101	Al/Cu 400-630	500
HIT1.1216R	6438100327125	Al/Cu 630-1000	530
12 kV with cable lugs			
HIT1.1212RL	6438100327057	Al/Cu 35-95	420
HIT1.1213RL	6438100315757	Al/Cu 95-240	420
HIT1.1214RL	6438100315764	Al/Cu150-300	420
HIT1.1215RL	6438100327118	Al/Cu 400-630	500
HIT1.1216RL	6438100327132	Al/Cu 630-1000	530

HIT3_R indoor termination kits 3 core XLPE armoured

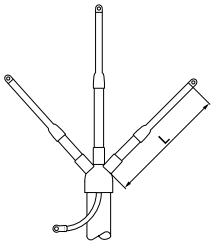
The termination kit is used for outdoor terminating of armoured cables with XLPE insulation and copper tape shield on each core. The kit is suitable for three core cables. The surface of the lower part of the termination is semi conductive in order to decrease surface discharging in moist conditions.



Product code	GTIN	Conductor size mm²	Termination length L mm
12 kV without cable lugs			
HIT3.1212R	6438100315733	Al/Cu 35-95	500-1100 (L1 = 330)
HIT3.1213R	6438100311544	Al/Cu 95-240	500-1100 (L1 = 330)
HIT3.1214R	6438100315740	Al/Cu 150-300	500-1100 (L1 = 330)
12 kV with cable lugs			
HIT3.1212RL	6438100314941	Al/Cu 35-95	500-1100 (L1 = 330)
HIT3.1213RL	6438100315757	Al/Cu 95-240	500-1100 (L1 = 330)
HIT3.1214RL	6438100315764	Al/Cu 150-300	500-1100 (L1 = 330)

HIT3 indoor termination kits 3 core PVC

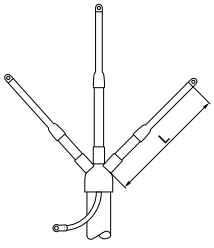
The termination kit is used for indoor terminating of max. 7,2 kV cables with PVC insulation and copper wire shield. The kit is suitable for three core cables.



Product code	GTIN	Conductor size mm²	Termination length L mm
7,2 kV without cable lugs			
HIT3.0602	6438100314378	Al/Cu 25-95	500
HIT3.0603	6438100314385	Al/Cu 95-185	500
HIT3.0604	6438100314392	Al/Cu 150-300	500
7,2 kV with cable lugs			
HIT3.0601L	6438100314248	Al/Cu 25-50	500
HIT3.0602L	6438100314255	Al/Cu 50-95	500
HIT3.0603L	6438100314262	Al/Cu 95-185	500
HIT3.0604L	6438100314279	Al/Cu 150-300	500

HITU3 indoor termination kits universal cables

The termination kit is used for indoor terminating of 12-24 kV three core universal cables EXCEL, FXCEL and AXCES.



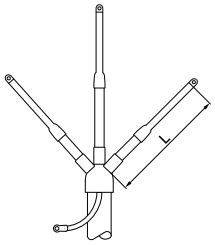
Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs						
HITU3.1201	6418677450693	Al/Cu 10-35		450-1100		
12 kV with cable lugs						
HITU3.1201L	6438100304256	Al/Cu 10-35		450-1100		
24 kV without cable lugs						
HITU3.2401	6418677450709		Al/Cu 10-16	450-1100	90	1
HITU3.2402	6418677450716	Al/Cu 70-95	Al/Cu 70-95	450-1100	90	1
24 kV with cable lugs						
HITU3.2401L	6438100304270		Al/Cu 10-16	450-1100	90	1

Heat shrink cable terminations

MEDIUM

HITP3 indoor termination kits 3 core belted paper

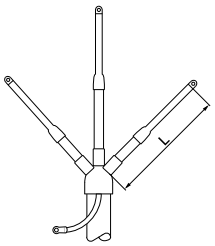
The termination kit is used for indoor terminating of medium voltage cables with belted paper insulation and lead or aluminium sheath. The kit is suitable for three core cables, both armoured and non-armoured.



Product code	GTIN	Conductor size mm²	Termination length L mm
12 kV without cable lugs			
HITP3.1201	6418677447242	25-35	450-1100
HITP3.1202	6418677447266	35-95	450-1100
HITP3.1203	6418677447280	95-240	450-1100
12 kV with cable lugs			
HITP3.1201L	6418677447259	25-35	450-1100
HITP3.1202L	6418677447273	35-70	450-1100
HITP3.1203L	6418677447297	95-185	450-1100

HITHP3 indoor termination kits 3 core H-paper

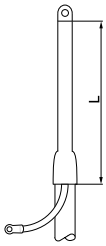
The termination kit is used for indoor terminating of max. 24 kV three core cables with screened paper insulation, lead sheath and armour.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
24 kV without cable lugs					
HITHP3.2402	6438100304096	35-95	950-1500	90	1
HITHP3.2403	6438100304119	95-240	950-1500	115	1
24 kV without cable lugs					
HITHP3.2402L	6438100304102	35-95	950-1500	90	1
HITHP3.2403L	6438100304126	95-240	950-1500	115	1

HOT1 outdoor termination kits 1 core XLPE

The termination kit is used for outdoor terminating of XLPE insulated medium voltage cables with copper wire shield. The kit is suitable for single core cables, containing components for three cores.



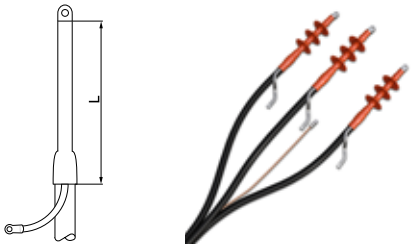
Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HOT1.1202	6418677443350	Al/Cu 35-95	370	90	1
HOT1.1203	6418677443374	Al/Cu 95-240	370	115	1
HOT1.1204	6418677443398	Al/Cu 150-300	370	115	1
HOT1.1205	6418677443411	Al/Cu 400-630	400	130	1
HOT1.1206	6418677443435	Al/Cu 800-1000	400	130	1
12 kV with cable lugs					
HOT1.1201L	6418677443343	Al/Cu 10-35	330	90	
HOT1.1202L	6418677443367	Al/Cu 35-95	370	90	1
HOT1.1203L	6418677443381	Al/Cu 95-240	370	115	1
HOT1.1204L	6418677443404	Al/Cu 150-300	370	115	1
HOT1.1205L	6418677443428	Al/Cu 400-630	400	130	1
HOT1.1206L	6418677443442	Al/Cu 800-1000	430	130	1
24 kV without cable lugs					
HOT1.2402	6418677443473	Al/Cu 25-95	420	90	3
HOT1.2403	6418677443497	95-240	420	115	3
HOT1.2404	6418677443510	Al/Cu 150-300	420	115	3
HOT1.2405	6418677443534	Al/Cu 400-630	450	130	3
HOT1.2406	6418677443558	Al/Cu 800-1000	480	130	3
24 kV with cable lugs					
HOT1.2402L	6418677443480	Al/Cu 25-95	420	90	3
HOT1.2403L	6418677443503	Al/Cu 95-240	420	115	3
HOT1.2404L	6418677443527	Al/Cu 150-300	420	115	3
HOT1.2405L	6418677443541	Al/Cu 400-630	450	130	3
HOT1.2406L	6418677443565	Al/Cu 800-1000	480	130	3
36 kV without cable lugs					
HOT1.3601	6418677443572	Al/Cu 25-95	520	115	4
HOT1.3602	6418677443596	Al/Cu 95-150	520	130	4
HOT1.3603	6418677443619	Al/Cu 120-300	520	130	4
HOT1.3604	6418677443633	Al/Cu 400-630	550	130	4
HOT1.3605	6418677453496	Al/Cu 800-1000	580	130	4
36 kV with cable lugs					
HOT1.3601L	6418677443589	Al/Cu 25-95	520	130	4
HOT1.3602L	6418677443602	Al/Cu 95-150	520	130	4
HOT1.3603L	6418677443626	Al/Cu 120-300	520	130	4
HOT1.3604L	6418677443640	Al/Cu 400-630	550	130	4

Medium voltage cable accessories

Heat shrink cable terminations

HOTHW1 outdoor termination kits AHXAMK-W

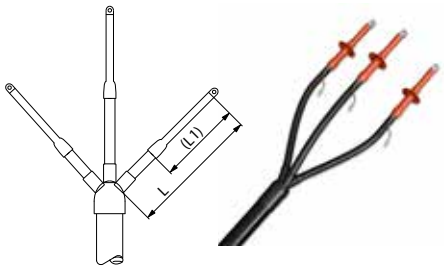
The termination kit is used for outdoor terminating of XLPE insulated medium voltage cables with aluminium tape shield and plastic outer sheath. The kit is suitable for AHXAMK-W cables, containing components for three cores.



Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length L mm	Shed diameter mm	No of sheds per phase
24 kV without cable lugs						
HOTHW1.2402	6438100305833	Al/Cu 50-120	Al/Cu 25-95	420	90	3
HOTHW1.2403	6438100305857	Al/Cu 120-240	Al/Cu 95-240	420	115	3
HOTHW1.2404	6438100305871	Al/Cu 240-300	Al/Cu 150-300	420	115	3
24 kV with cable lugs						
HOTHW1.2402L	6438100305840	Al/Cu 50-95	Al/Cu 25-95	420	90	3
HOTHW1.2403L	6438100305864	Al/Cu 120-240	Al/Cu 95-240	420	115	3
HOTHW1.2404L	6438100305888	Al/Cu 240-300	Al/Cu 150-300	420	115	3

HOT31 outdoor termination kits 3 to 1 core XLPE

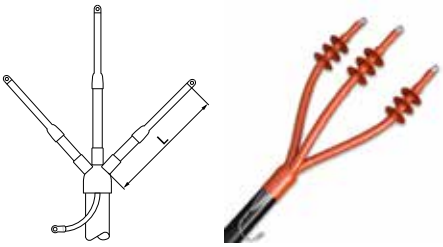
The termination kit is used for outdoor terminating of medium voltage three core cables with XLPE insulation and copper wire shield. The kit transfers a three core cable to three single core shielded cables.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
24 kV without cable lugs					
HOT31.1202	438100320508	Al/Cu 35-95	500-2000 (L1 = 330)	90	1
HOT31.1203	6438100320522	Al/Cu 95-240	500-2000 (L1 = 330)	115	1
HOT31.1202L	6438100320515	Al/Cu 35-95	500-2000 (L1 = 330)	90	1
HOT31.1203L	6438100320539	Al/Cu 95-240	500-2000 (L1 = 330)	115	1
24 kV with cable lugs					
HOT31.2402	6438100320546	Al/Cu 10-95	500-2000 (L1 = 420)	90	3
HOT31.2403	6438100320560	Al/Cu 95-240	500-2000 (L1 = 420)	115	3
HOT31.2402L	6438100320553	Al/Cu 10-95	500-2000 (L1 = 420	90	3
HOT31.2403L	6438100320577	Al/Cu 95-240	500-2000 (L1 = 420)	115	3

HOTU3 outdoor termination kits universal cables

The termination kit is used for outdoor terminating of 12-24 kV three core universal cables EXCEL, FXCEL and AXCES.



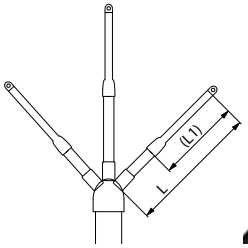
Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HOTU3.1201	6418677450723	10-35	450-1100	90	1
12 kV with cable lugs					
HOTU3.1201L	6438100304263	10-35	450-1100	90	1
24 kV without cable lugs					
HOTU3.2401	6418677450730	10-16	450-1100	90	3
HOTU3.2402	6418677450747	70-95	450-1100	90	3
24 kV with cable lugs					
HOTU3.2401L	6438100304287	10-16	450-1100	90	3

Heat shrink cable terminations

MEDIUM

HOT3 outdoor termination kits semi conductive 3 core XLPE

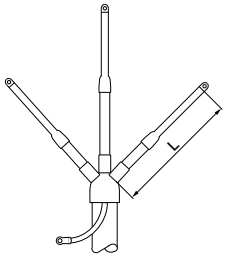
The termination kit is used for outdoor terminating of medium voltage cables with XLPE insulation and copper wire shield. The kit is suitable for three core cables.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HOT3.1211	6438100311704	Al/Cu 10-35	500-1400 (L1 = 330)	90	1
HOT3.1212	6438100311728	Al/Cu 35-95	500-1400 (L1 = 330)	90	1
HOT3.1213	6438100311742	Al/Cu 95-240	500-1400 (L1 = 330)	115	1
HOT3.1214	6438100311766	Al/Cu 150-300	500-1400 (L1 = 330)	115	1
12 kV with cable lugs					
HOT3.1211L	6438100311711	Al/Cu 10-35	500-1400 (L1 = 330)	90	1
HOT3.1212L	6438100311735	Al/Cu 35-95	500-1400 (L1 = 330)	90	1
HOT3.1213L	6418677443381	Al/Cu 95-240	500-1400 (L1 = 330)	115	1
HOT3.1214L	6438100311773	Al/Cu 150-300	500-1400 (L1 = 330)	115	1
24 kV without cable lugs					
HOT3.2412	6438100311780	Al/Cu 10-95	500-1400 (L1 = 420)	90	3
HOT3.2413	6438100311803	Al/Cu 95-240	500-1400 (L1 = 420)	115	3
HOT3.2414	6438100311827	Al/Cu 150-300	500-1400 (L1 = 420)	115	3
24 kV with cable lugs					
HOT3.2412L	6438100311797	Al/Cu 10-95	500-1400 (L1 = 420)	90	3
HOT3.2413L	6438100311810	Al/Cu 95-240	500-1400 (L1 = 420)	115	3
HOT3.2414L	6438100311834	Al/Cu 150-300	500-1400 (L1 = 420)	115	3
36 kV without cable lugs					
HOT3.3611	6438100311841	Al/Cu 25-95	650-1400 (L1 = 520)	115	4
HOT3.3612	6438100311865	Al/Cu 95-150	650-1400 (L1 = 520)	115	4
HOT3.3613	6438100311889	Al/Cu 120-300	650-1400 (L1 = 520)	145	4
36 kV with cable lugs					
HOT3.3611L	6438100311858	Al/Cu 25-95	650-1400 (L1 = 520)	115	4
HOT3.3612L	6438100311872	Al/Cu 95-150	650-1400 (L1 = 520)	115	4
HOT3.3613L	6438100311896	Al/Cu 120-300	650-1400 (L1 = 520)	130	4

HOT3 outdoor termination kits 3 core PVC

The termination kit is used for outdoor terminating of max. 7,2 kV cables with PVC insulation and copper wire shield. The kit is suitable for three core cables.



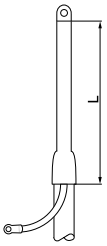
Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
7,2 kV without cable lugs					
HOT3.0602	6438100314330	Al/Cu 25-95	500	90	1
HOT3.0603	6438100314347	Al/Cu 95-185	500	115	1
HOT3.0604	6438100314354	Al/Cu 150-300	500	115	1
HOT3.0612	6438100314415	Al/Cu 25-95	1000	90	1
HOT3.0613	6438100314422	Al/Cu 95-185	1000	115	1
HOT3.0614	6438100314439	Al/Cu 150-300	1000	115	1
7,2 kV with cable lugs					
HOT3.0601L	6438100314200	Al/Cu 25-50	500	90	1
HOT3.0602L	6438100314217	Al/Cu 50-95	500	90	1
HOT3.0603L	6438100314224	Al/Cu 95-185	500	115	1
HOT3.0604L	6438100314231	Al/Cu 150-300	500	115	1
HOT3.0611L	6438100314286	Al/Cu 25-50	1000	90	1
HOT3.0612L	6438100314293	Al/Cu 50-95	1000	90	1
HOT3.0613L	6438100314309	Al/Cu 95-185	1000	115	1
HOT3.0614L	6438100314316	Al/Cu 150-300	1000	115	1

Medium voltage cable accessories

Heat shrink cable terminations

HOT1_R outdoor termination kits XLPE armoured

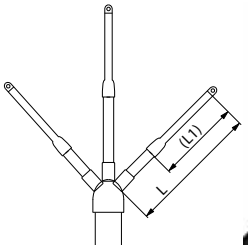
The termination kit is used for outdoor terminating of armoured cables with XLPE insulation and copper tape shield on each core. The HOT1 kits are suitable for single core cables with aluminium wire armour.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HOT1.1212R	6438100327149	Al/Cu 35-95	420	90	1
HOT1.1213R	6438100327163	Al/Cu 95-240	420	115	1
HOT1.1214R	6438100327187	Al/Cu 150-300	420	115	1
HOT1.1215R	6438100327200	Al/Cu 400-630	500	145	1
HOT1.1216R	6438100327224	Al/Cu 630-1000	530	145	1
12 kV with cable lugs					
HOT1.1212RL	6438100327156	Al/Cu 35-95	420	90	1
HOT1.1213RL	6438100327170	Al/Cu 95-240	420	115	1
HOT1.1214RL	6438100327194	Al/Cu 150-300	420	115	1
HOT1.1215RL	6438100327217	Al/Cu 400-630	500	145	1
HOT1.1216RL	6438100327231	Al/Cu 630-1000	530	145	1

HOT3_R outdoor termination kits XLPE armoured

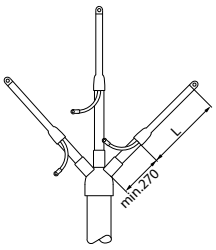
The termination kit is used for outdoor terminating of armoured cables with XLPE insulation and copper tape shield on each core. The HOT3 kits are for three core cables with steel tape or steel wire armour.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HOT3.1212R	6438100315771	Al/Cu 35-95	500-1400 (L1 = 330)	90	1
HOT3.1213R	6438100315788	Al/Cu 95-240	500-1400 (L1 = 330)	115	1
HOT3.1214R	6438100315795	Al/Cu 150-300	500-1400 (L1 = 330)	115	1
12 kV with cable lugs					
HOT3.1212RL	6438100314958	Al/Cu 35-95	500-1400 (L1 = 330)	90	1
HOT3.1213RL	6438100315139	Al/Cu 95-240	500-1400 (L1 = 330)	115	1
HOT3.1214RL	6438100315146	Al/Cu 150-300	500-1400 (L1 = 330)	115	1

HOTP1 outdoor termination kits 3 core paper

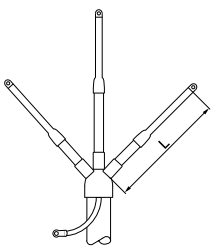
The termination kit is used for indoor and outdoor terminating of max. 24 kV cables with paper insulation and individual lead or aluminium sheaths. The kit is suitable for three core cables, either armoured or non-armoured.



Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length L mm	Shed diameter mm	No of sheds per phase
24 kV without cable lugs						
HOTP1.2401	6418677452024	Al/Cu 70-95	Al/Cu 25-35	min. 750	90	3
HOTP1.2402	6418677452048	Al/Cu 95-150	Al/Cu 50-95	min. 750	90	3
HOTP1.2403	6418677449215	Al/Cu 150-300	Al/Cu 95-240	min. 750	115	3
24 kV with cable lugs						
HOTP1.2401L	6418677452031	Al/Cu 70-95	Al/Cu 25-35	min. 750	90	3
HOTP1.2402L	6418677452055	Al/Cu 95-150	Al/Cu 50-95	min. 750	90	3
HOTP1.2403L	6418677449147	Al/Cu 150-240	Al/Cu 95-240	min. 750	115	3

HOTP3 outdoor termination kits 3 core belted paper

The termination kit is used for outdoor terminating of medium voltage cables with belted paper insulation and lead or aluminium sheath. The kit is suitable for three core cables, either armoured or non-armoured.



Product code	GTIN	Conductor size mm²	Termination length L mm	Shed diameter mm	No of sheds per phase
12 kV without cable lugs					
HOTP3.1201	6418677447303	25-35	650-1300	90	1
HOTP3.1202	6418677447327	35-95	650-1300	90	1
HOTP3.1203	6418677447341	95-240	650-1300	115	1
12 kV with cable lugs					
HOTP3.1201L	6418677447310	25-35	650-1300	90	1
HOTP3.1202L	6418677447334	35-70	650-1300	90	1
HOTP3.1203L	6418677447358	95-185	650-1300	115	1

Cold shrink cable terminations

MEDIUM

CIT1 indoor termination kits 1 core XLPE with Cu wire shield

The termination kit is used for indoor terminating of XLPE insulated medium voltage cables with wire shield. The kit is suitable for single core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
CIT1.2402L	6438100301132	35-95	10-95	265	62	3	13,8
CIT1.2403L	6438100300524	70-240	70-240	270	62	3	18,4
CIT1.2404L	6438100302856	240-300	185-300	310	62	3	25,3
CIT1.24045L	6438100326067	185-400	185-400	370	62	3	31
CIT1.2405L	6438100304744	185-400	400-630	370	62	3	31
CIT1.2406L	6438100312329	630-1000	630-1000	370	62	3	36,8
Additional core sheathing kits							
STE16	6438100306588	70-240	70-240				

Product code	GTIN	Conductor size mm² 36 kV	Conductor size mm² 42 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
42kV with cable lugs (Al/Cu)							
CIT1.4202L	6438100304805	10-95	10-95	350	100	3	18,4
CIT1.4203L	6438100300500	70-240	70-240	390	100	3	25,3
CIT1.4204L	6438100304812	185-300	185-300	450	100	3	31
CIT1.42045L	6438100326074	185-400	185-400	150	100	3	31
CIT1.4205L	6438100304829	400-630	400-630	450	100	3	31
CIT1.4206L	6438100312381	630-1000	630-1000	450	100	3	36,8

COT1 outdoor termination kits 1 core XLPE with Cu wire shield

The termination kit is used for outdoor terminating of XLPE insulated medium voltage cables with wire shield. The kit is suitable for single core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
COT1.2402L	6438100301118	35-95	10-95	345	100	3	13,8
COT1.2403L	6438100300463	95-240	70-240	350	100	3	18,4
COT1.2404L	6438100302917	240-300	185-300	390	100	3	25,3
COT1.24045L	6438100326081	240-400	185-400	390	100	3	25,3
COT1.2405L	6438100304751	400-630	400-630	450	100	3	31,1
COT1.2406L	6438100312336	630-1000	630-1000	520	100	3	36,8
Additional core sheathing kits							
STE16	6438100306588	70-240	70-240				

Product code	GTIN	Conductor size mm² 36 kV	Conductor size mm²42 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
42 kV with cable lugs (Al/Cu)							
COT1.4202L	6438100304874	10-95	10-95	620	100	6	18,4
COT1.4203L	6438100300432	70-240	70-240	750	100	6	25,3
COT1.4204L	6438100304881	185-300	185-300	800	100	6	31
COT1.42045L	6438100326098	185-400	185-400	800	100	6	31
COT1.4205L	6438100304898	400-630	400-630	800	100	6	31
COT1.4206L	6438100312398	630-1000	630-1000	800	100	6	36,8

Medium voltage cable accessories

Cold shrink cable terminations

CIT1-ALS indoor termination kits 1 core XLPE with Al tape shield

The termination kit is used for indoor terminating of XLPE insulated medium voltage cables with aluminium tape shield shield. The kit is suitable for single core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
CIT1.2402L-ALS	6438100301149	35-95	10-95	265	62	3	13,8
CIT1.2403L-ALS	6438100300517	95-240	70-240	270	62	3	18,4
CIT1.2404L-ALS	6438100302870	240-300	185-300	310	62	3	25,3

COT1-ALS outdoor termination kits 1 core XLPE with Al tape shield

The termination kit is used for outdoor terminating of XLPE insulated medium voltage cables with aluminium tape shield shield. The kit is suitable for single core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
COT1.2402L-ALS	6438100301125	35-95	10-95	345	100	3	13,8
COT1.2403L-ALS	6438100300456	95-240	70-240	350	100	3	18,4
COT1.2404L-ALS	6438100302931	240-300	185-300	390	100	3	25,3

CITW1 indoor terminations AHXAMK-W

The termination kit is used for indoor terminating of XLPE insulated medium voltage cables with aluminium tape shield (AHXAMK-W). The kit is suitable for single core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV without cable lugs (Al/Cu)							
CITW1.2402L	6438100304225	35-95	10-95	265	62	3	13,8
CITW1.2403L	6438100304232	95-240	70-240	270	62	3	18,4
CITW1.2404L	6438100304249	240-300	185-300	310	62	3	25,3
CITW1.2405L	6438100322922	400-630	400-630	490	62	3	31
CITW1.2406L	6438100322960	800-1000	630-1000	410	78	3	36.8
42kV with cable lugs (Al/Cu)							
CITW1.4202L	6438100324261	70-95	25-95	330-390	62	3	18.4
CITW1.4203L	6438100324278	120-240	- 240	400-430	106	3	25.3
CITW1.4204L	6438100324285	-	- 300	490	111	3	31
CITW1.4205L	6438100322939	400-630	400-630	500-550	62	3	31
CITW1.4206L	6438100324292	800-1000	630-1000	460-490	116	3	36.8

COTW1 outdoor terminations AHXAMK-W

The termination kit is used for outdoor terminating of XLPE insulated medium voltage cables with aluminium tape shield (AHXAMK-W). The kit is suitable for single core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Conductor size mm² 36 kV	Conductor size mm² 42 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)									
COTW1.2402L	6438100304324	35-95	10-95			345	100	3	13,8
COTW1.2403L	6438100304331	95-240	70-240			350	100	3	18,4
COTW1.2404L	6438100304348	240-300	185-300			390	100	3	25,3
COTW1.2405L	6438100322977	400-630	400-630			390	100	3	31
COTW1.2406L	6438100322984	800-1000	630-1000			490	116	3	36.8
42 kV with cable lugs (Al/Cu)									
COTW1.4202L	6438100324308	70-95	25-95			630	100	3	31.1
COTW1.4203L	6438100324315	- 240	120-240			650	106	3	25.3
COTW1.4204L	6438100324322	- 300		150-300		710	111	3	31
COTW1.4205L	6438100324339	400-630	400-630	400-630	400-630	710	111	3	31
COTW1.4206L	6438100324346	800-1000	630-1000	630-1000	630-1000	710	116	3	36.8

Cold shrink cable terminations

MEDIUM

CITH3 hybrid indoor termination kits 3 core XLPE

The termination kit is used for indoor terminating of XLPE insulated medium voltage cables with wire shield. The kit is suitable for three core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
CITH3.2402L	6438100307523	35-95	25-95	500-1100	62	3	15
CITH3.2403L	6438100307080	95-240	70-240	500-1100	62	3	20
CITH3.2404L	6438100314712	240-300	185-300	500-1100	62	3	27,5

CITH31 hybrid indoor termination kits 3 to 1 core

The termination kit is used for indoor terminating of medium voltage three core cables with XLPE insulation and copper wire shield. The kit transfers a three core cable to three single core shielded cables.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
CITH31.2402L	6438100320867	35-95	10-95	500-2000	62	3	13,8
CITH31.2403L	6438100320874	95-240	70-240	500-2000	62	3	18,4

COTH3 hybrid outdoor termination kits 3 core XLPE

The termination kit is used for outdoor terminating of XLPE insulated medium voltage cables with wire shield. The kit is suitable for three core cables, containing components for three cores.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
COTH3.2402L	6438100307547	35-95	25-95	500-1400	100	3	16
COTH3.2403L	6438100307103	95-240	70-240	500-1400	100	3	20
COTH3.2404L	6438100314736	240-300	185-300	500-1400	100	3	27,5

COTH31 hybrid outdoor termination kits 3 to 1 core XLPE

The termination kit is used for outdoor terminating of medium voltage three core cables with XLPE insulation and copper wire shield. The kit transfers a three core cable to three single core shielded cables.

Product code	GTIN	Conductor size mm² 12 kV	Conductor size mm² 24 kV	Termination length mm	Shed diameter mm	No of sheds per phase	Min. diameter on the insulation mm
24 kV with cable lugs (Al/Cu)							
COTH31.2402L	6438100320881	35-95	10-95	500-2000	100	3	13.8
COTH31.2403L	6438100320898	95-240	70-240	500-2000	100	3	36

Medium voltage cable accessories

Screened Separable Connectors

Screened straight and elbow connectors for 250 A

Screened 250A elbow type straight connectors and pin type straight connectors are used for connections to transformers and switchgears up to 24kV with bushings according to EN 50180 and EN 50181, connection type A (250 A). Suitable for 3-core plastic cables (XLPE, EPR, PE, etc.) both indoors and outdoors. Three phase set including shear head bolt cable lug.

Product code	GTIN	Description	Conductor size 24 kV mm²	Current A
CONE250.2	6438100319830	Elbow Connector	25-95	250
CONS250.2	6438100319847	Straight Connector	25-95	250

Screened separable connectors for 630 A

Screened 630 A connectors are used for connections to transformers and switchgears up to 24kV with bushings according to EN 50180 and EN 50181, connection type C1 (630 A). Suitable for plastic cables (XLPE, EPR, PE, etc.) both indoors and outdoors. Three phase set including shear head bolt cable lugs.

Product code	GTIN	Conductor size 12 kV mm²	Conductor size 24 kV mm²	Current A
CONT630.1	6438100319755	25-70	25-70	630
CONT630.2	6438100319762	95-185	70-185	630
CONT630.3	6438100319779	240-300	120-300	630

Screened separable back connectors for 630 A

Screened separable back connectors 630A are linked directly to the back of CONT630 and CONTB630 connectors with a backside thread of M12. Suitable for plastic (XLPE, EPR, PE, etc.) cables up to 24 kV. Three phase set including shear head bolt cable lugs.

Product code	GTIN	Conductor size 12 kV mm²	Conductor size 24 kV mm²	Current A
CONTB630.1	6438100319786	25-70	25-70	630
CONTB630.2	6438100319793	95-185	70-185	630
CONTB630.3	6438100319809	240-300	120-240	630

Screened 630A Surge Arresters for 630 A

The screened surge arrester can be connected to CONT630 and CONTB630 connectors. The arrester protects transformers, switchgears and transmission lines againts atmospheric and switching overvoltages.

Product code	GTIN	In kA	Uc kV
CONTS630.10-12	6438100319816	10	12
CONTS630.10-24	6438100319823	10	24

Screened separable connectors for 630 A 3-core cable

Screened 630 A connectors are used for connections to transformers and switchgears up to 24kV bushings according to EN 50180 and EN 50181, connection type C1 (630 A).

Product code	GTIN	Conductor size 12 kV	Conductor size 24 kV
CONT630SE.1	6438100321031	Al/Cu 25-70	Al/Cu 25-70
CONT630SE.2	6438100321048	Al/Cu 95-185	Al/Cu 70-185
CONT630SE.3	6438100321055	Al/Cu 185-240	Al/Cu 120-240
CONTB630SE.1	6438100321062	Al/Cu 25-70	Al/Cu 25-70
CONTB630SE.2	6438100321079	Al/Cu 95-185	Al/Cu 70-185
CONTB630SE.3	6438100321086	Al/Cu 185-240	Al/Cu 120-240

Screened Separable Connectors

MEDIUM

Connection plug set 630A CONT630.x

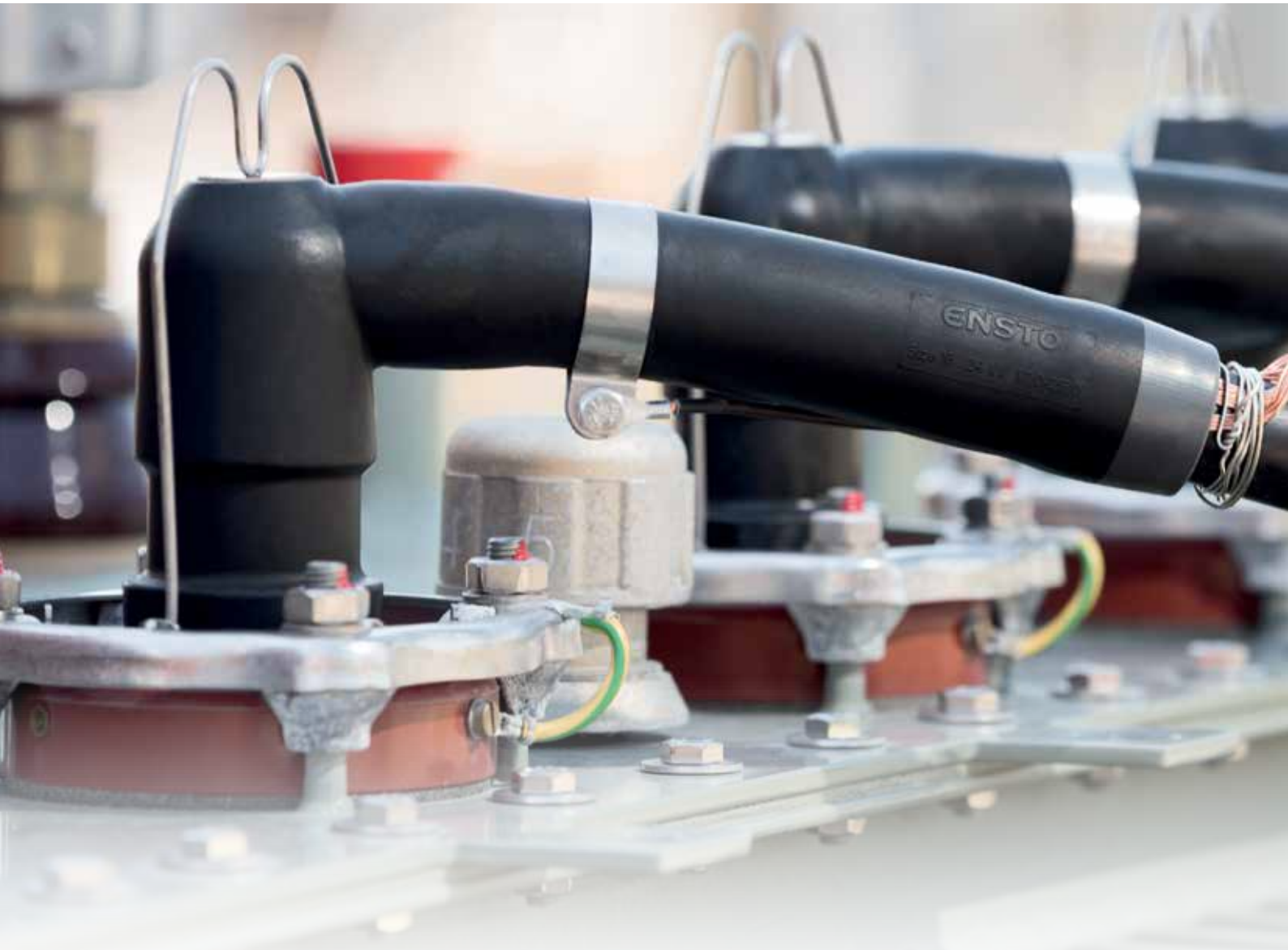
Connection plug CONTP630 can be used to connect branch cable. With plug two or more CONT630.x connectors can be connected together. Set includes three connection plugs.

Product code	GTIN
CONTP630	6438100323578

SJCW additional kits for AHXAMK-W earthing

SJCW2595.2 and SJCW70240.2 additional earthing kits are used when terminating AHXAMK-W cable using CONE250, CONS250, CONT630 or CONTB630 separable connector kits.

Product code	GTIN	Conductor size 12 kV	Conductor size 24 kV
SJCW2595.2	6418677449369	25-95	25-95
SJCW70240.2	6418677433276	70-300	70-300



Cable distribution cabinets

Ensto Rapid - Easy, fast and cost-effective

Ensto Rapid cable distribution cabinets are extremely quick to install. After mounting the cabinet, just plug the cables to the pre-installed terminals and you are ready.

Ensto Rapid – a ready solution

Traditionally a cable distribution cabinet has to be built piece by piece from multiple separate components.
– Ensto Rapid is here to ease things up. Ensto Rapid cable distribution cabinets are pre-installed sets that combine the cabinet, terminals and the fuse bases into one, simple solution. Just lower the base of the cabinet and connect the cables to the pre-installed terminals.

Why choose Ensto Rapid over a traditional distribution cabinet?

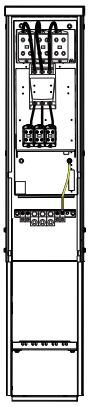
Ensto Rapid is an ideal solution to places, where only 1-3 fused outputs are needed and where the fuse protecting of the cables is rated 250A. Ensto Rapid cabinets have been sized especially for these needs.

Less to order

As the components of Ensto Rapid cable distribution cabinets have been pre-assembled the factory, the cabinets are always easy to order.

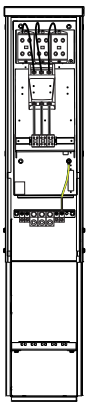
Rapid 2 series

Height: 850mm | Width: 312mm | Depth: 223mm



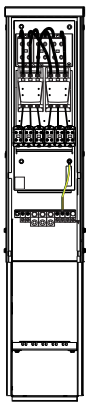
Ensto Rapid 2.1/1

Main cable line for two 35-240mm² cables. Branch output is 2 x 6-50mm² from one fuse base.



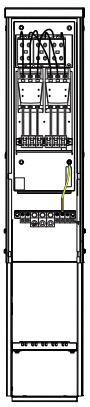
Ensto Rapid 2.1/2

Main cable line for two 35-240mm² cables. Branch output is 2 x 16-95mm² from one fuse base.



Ensto Rapid 2.2/11

Main cable line for two 35-240mm² cables. Branch output is 4 x 6-50mm² from two fuse bases.



Ensto Rapid 2.2/22

Main cable line for two 35-240mm² cables. Branch output is 4 x 16-95mm² from two fuse bases.

Product code	GTIN	Max current A	Voltage V	Frequency AC Hz	Short-circuit current kA	Feed Al/Cu mm²	Outputs Al/Cu mm²	Fuse size	Dimensions W x H x D mm	Weight kg
Rapid2.1/1	6438100315023	200	400	50	<10	2 x 35-240	2 x 6-50	00	312 x 850 x 223	29
Rapid2.1/2	6438100322274	200	400	50	<10	2 x 35-240	2 x 16-95	00	312 x 850 x 223	29
Rapid2.2/11	6438100315030	200	400	50	<10	2 x 35-240	2 x 6-50 / 2 x 6-50	00	312 x 850 x 223	32
Rapid2.2/22	6438100322281	200	400	50	<10	2 x 35-240	2 x 16-95 / 2 x 16-95	00	312 x 850 x 223	32

Accessories

Marking rod

Marking rod can be fixed to either side of the cabinet. Mounting hole distance 500 or 700 mm.

Product code	GTIN	Length m	Description
SKK121.20	6438100301149	2,0	Marking rod can be fixed to either side of the cabinet.
SKK121.14	6438100300517	1,4	Marking rod can be fixed to either side of the cabinet.

Cable fixing ties

The fixing ties can be used for example for wooden, concrete or composite poles as well as for Strain relief bars or C-bars.

Product code	GTIN	Description
Pole fixing tie		
SH709	6438100315559	for Ø 20-80 mm cable
Fixing tie for C-bar		
SH710	6438100315566	for Ø 20-80 mm cable
Steel band fixing tie		
SH711	6438100317898	for Ø 20-80 mm cable

Related products

The steel band fixing tie SH711 can be mounted for example to a concrete or composite pole by using these accessories.

COT36

CT42

COT37

Product code	GTIN	Description
COT36	6418677412189	steel buckle
COT37	6418677412196	steel band
CT42	6418677412332	fixing tool

Lamp post fixtures

Convenient street-lighting

Ensto offers a wide selection of products for connecting and branching underground cables on lamp posts. Ensto's lamp post fixtures are suitable for many different lamp posts. The complete kits make the installation work easy and fast.

Handy products

The Ensto selection includes KE connectors, connector series, fuse bases, circuit-breakers, lamp post fixtures, fuse and branch boxes and lamp post cabinets.

KE connectors and series

- Transparent connector casing – easy to install.
- Durable materials.
- A blue connector available for the neutral conductor.

Lamp post fixture kits

- Kits especially suitable for connecting both aluminum and copper conductors.
- Alternative kits including either a 6A or 10A fuse base, several KE connectors and a 16mm² ground conductor (length 35cm, equipped with a cable lug for the neutral connector).

Fuse boxes and branch boxes

- Enclosures manufactured of weather- and impact-resistant, recyclable polycarbonate plastic.

Lamp post cabinets

- Available as hot galvanized or painted.
- In addition to standard colors, also RAL colors are available by special order.
- Factory-fitted lamp post cabinets.

Product assortment »

Lamp post fixtures

Branching connectors

Ensto connectors are tinned to suit for both aluminium and copper conductors (4 or 6 conductors). The connectors can be used as L, N, PE or PEN connectors.

Product code	GTIN	Description
KE10.1	6418677400049	Al 4x10-35 mm² / Cu 1.5-25 mm²
KE10.1N	6438100330705	Al 4x10-35 mm²/ Cu 1.5-25 mm²
KE10.3	6418677400063	Al 6x10-35 mm² / Cu 1.5-25 mm²
KE10.504	6418677400087	Al 4x10-50 mm² / Cu 2.5-35 mm²
KE10.504N	6418677455421	Al 4x10-50 mm² / Cu 2.5-35 mm²
KE10.506	6418677400094	Al 6x10-50 mm² / Cu 2.5-35 mm²
Covers		
PMR2680.3	6438100321352	for KE10.1 and KE10.504(N) connectors
PMR2680.4	6438100308384	for KE10.1 and KE10.504(N) connectors

Branching connector sets

SV connector sets are used for connecting and branching aluminium and copper cables in lamp posts or in cable cabinets.

Product code	GTIN	Description
SV15	6418677405624	3xKE10.1 and 1xKE10.3 (10-35Al/1.5-25Cu)
SV15.5	6418677405716	4xKE10.1 and 1xKE10.3 (10-35Al/1.5-25Cu)
SV50	6418677405808	3xKE10.504 and 1xKE10.506 (10-50Al/2.5-35Cu)

Fuse bases

LFB-R fuse bases with fuses and 4 mm² or 10 mm² conductors for lamp post installations.

Product code	GTIN	Description
LFB16-06A-R	6438100320904	Fuse base with 6 A fuse and a 4 mm² conductor
LFB16-10A-R	6438100320911	Fuse base with 10 A fuse and a 4 mm² conductor
LFB16.1-06A-R	6438100320966	Fuse base with 6A fuse and a 10 mm² conductor
LFB16.1-10A-R	6438100320973	Fuse base with 10A fuse and a 10 mm² conductor

Lamp post fixtures

LCK and SV fuse base and connector sets are used for connecting and branching aluminium and copper cables in lamp posts or in cable cabinets.

Product code	GTIN	Description
LCK4-16-06A	6438100309176	LFB16-06A-R and SV15
LCK5-16-06A	6438100309183	LFB16-06A-R and SV15.5
LCK4-16-10A	6438100309190	LFB16-10A-R and SV15
LCK5-16-10A	6438100309206	LFB16-10A-R and SV15.5
SV15.105	6438100323523	SV15.5 and SVV3.1
SV15.12	6418677405693	SV15 and SVV3
SV15.125	6418677405709	SV15.5 and SVV3

Circuit breakers

Circuit breakers, IP20, with mounting plates for lamp post installations.

Product code	GTIN	Description
SVV3	6418677405853	10 A
SVV3.1	6438100323790	6 A
SVV3.2	6418677405877	10 A, 2 pole

Branch boxes

Branch boxes include branching connector sets.

Product code	GTIN	Description
SK175	6418677403439	Cable dia 2x16-25
SK180	6418677403446	Cable dia 2x22-32

Fuse boxes

Fuse boxes include fuse bases for 25A or 63A installations. Fuses are not included.

Product code	GTIN	Description	Box dimensions
SK180.25	6418677403453	3x25 A	300x130x200 mm
SK180.63	6418677403460	3x63 A	300x130x200 mm
SK185.63	6438100328283	3x63 A	300x130x300 mm

Lamp post cabinets

Cabinets with or without connectors and fuse bases for 25A or 63A installations. Fuses are not included.

Product code	GTIN	Description
Zinc coated cabinets		
SK160	6418677403378	Zinc coated
SK160.1	6418677403385	Zinc coated, SV15.11
SK160.2	6418677403392	Zinc coated, SV15.11 + SVV1.10
Painted cabinets		
SK160/M	6418677403415	Zinc coated, painted
SK160.1/M	6418677406119	Zinc coated, painted, SV15.11
SK160.2/M	6418677403408	Zinc coated, painted, SV15.11+SVV1.10

Tools

Reliable and safe installation

Ensto's tool selection comprises products especially designed for the needs of network installers. Our tools make the installer's work easier and guarantee a safe installation. A well-performed installation can lengthen a network's service life. Ensto's selection includes various professional hand tools and cable work equipment.

Handy tools for smooth installation

Our tools selection consists of high-quality cable preparation tools for medium and low voltage underground cables, installation tools for both underground cable and overhead line accessory installation and various measuring equipment.

Cable preparation tools

- Insulation removal tools.
- Insulation screen removal tools.
- Outer sheath removal tools.
- Combined tools for outer sheath and insulation removal.
- Cable stands.

Other tools

- Earthing devices.
- Hand tools.
- Measuring equipment.
- Pole climbing irons.
- Cable pulling and handling equipment.
  + large variety of tools for different purposes.

Product assortment »

Underground cable preparation tools

Medium voltage insulation removal tools

Product code	GTIN	Description
ST252	6418677457418	Insulation removal set for 20 kV cables
ST252.1	6418677457425	Spare blade for ST252
ST261	6438100314446	Insulation stripping handle for inserts ST265-273
ST266.10	6438100330286	Insulation removal insert 10kV 35mm² for ST261
ST267.10	6438100330293	Insulation removal insert 10kV 50mm² for ST261
ST270.10	6438100330309	Insulation removal insert 10kV 120mm² for ST261
ST271.10	6438100330316	Insulation removal insert 10kV 150mm² for ST261
ST272.10	6438100330323	Insulation removal insert 10kV 185mm² for ST261
ST273.10	6438100330330	Insulation removal insert 10kV 240mm² for ST261
ST265	6438100316099	Insulation removal insert 20kV 25mm² for ST261
ST266	6438100314453	Insulation removal insert 20kV 35mm² for ST261
ST267	6438100316105	Insulation removal insert 20kV 50mm² for ST261
ST268	6438100316112	Insulation removal insert 20kV 70mm² for ST261
ST269	6438100316129	Insulation removal insert 20kV 95mm² for ST261
ST270	6438100316136	Insulation removal insert 20kV 120mm² for ST261
ST271	6438100316143	Insulation removal insert 20kV 150mm² for ST261
ST272	6438100316150	Insulation removal insert 20kV 185mm² for ST261
ST273	6438100316167	Insulation removal insert 20kV 240mm² for ST261
ST274	6438100316174	Insulation removal tool Ø15-52 mm
ST274.1	6438100330354	Spare blade for ST274

ST252

ST274

Insulation screen removal tools

Product code	GTIN	Description
ST250	6418677457388	Bonded insulation screen removal tool 10-52 mm
ST250.1	6418677457395	Spare blade for ST250
ST308	6438100324117	Bonded insulation screen removal tool 18-60 mm
ST308.1	6438100330026	Spare blade for ST308
ST260	6438100313128	Peelable (non-vulcanized) insulation screen removal tool Ø16-41 mm
ST260.1	6438100317935	Spare blade for ST260

ST250

ST308

Outer sheath removal tools

Product code	GTIN	Description
ST257	6438100311940	Outer sheath/aluminium laminate removal tool Ø16-54 mm
ST257.1	6438100321383	Spare blade for ST257
ST281	6438100320232	Outer sheath/aluminium laminate removal tool Ø16-40 mm
ST281.1	6438100330002	Spare blade for ST281
ST285	6438100320270	Outer sheath/aluminium laminate splitting tool Ø16-60 mm
ST285.1	6438100330019	Spare blade for ST285
ST291	6438100329990	Outer sheath/aluminium laminate removal tool Ø16-58 mm

ST281

ST285

Cable stands

Product code	GTIN	Description
ST277	6438100317089	Cable jointing stand

Additional tools

Product code	GTIN	Description
ST251	6418677457401	Holding tool for connectors/lugs
ST259	6438100312367	Wedge for spreading the outer sheath and aluminium laminate
ST286	6438100320287	Tool for spreading the outer sheath and aluminium laminate
ST258	6438100312015	Metal tie tightening tool
ST310	6438100327903	Metal tie fastening pliers
ST280	6438100318666	Insulation chamfering tool Ø15-60 mm
ST280.1	6438100324483	Spare blade for ST280

ST310

ST280

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