

Medium voltage solutions

Joints and terminations for up to 42kV



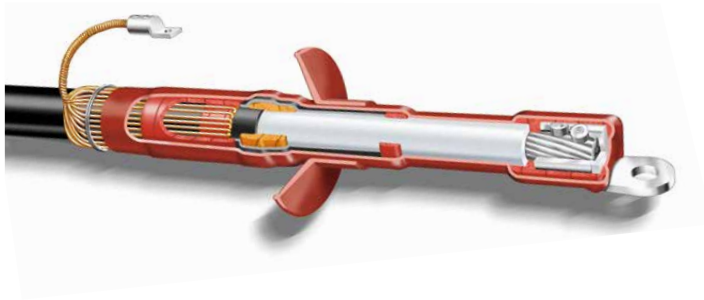
An underground cable network is relatively maintenance free and has a long service life. Ensto's solutions for underground distribution networks offer functional and reliable medium voltage accessories with both heat and cold shrink technologies. Moreover, our hybrid joints and terminations are an effective 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 pa-

per 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.

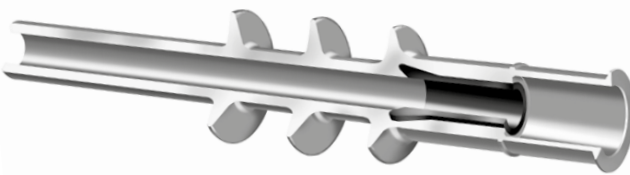


Cold shrink and hybrid accessories

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

- › 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.

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

Cold shrink cable joints



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 mm ² 12 kV	Conductor size mm ² 24 kV	Conductor size mm ² 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 mm ² 12 kV	Conductor size mm ² 24 kV	Conductor size mm ² 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



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 mm ² 12 kV	Conductor size mm ² 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 mm ² 12 kV	Conductor size mm ² 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



Medium voltage cable accessories

Cold shrink cable joints

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 mm ² 12 kV	Conductor size mm ² 24 kV	Conductor size mm ² 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



CJAI011 All-in-One joint kits for 1 core XLPE with Cu wire

CJAI011 (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 mm ² 12 kV	Conductor size mm ² 24 kV	Conductor size mm ² 36 kV	Min. diameter on the insulation mm
24 kV with connector, 25mm ² screen					
CJAI011.2403C	6438100320782	95-240	70-240		18,4
CJAI011.2402C	6438100327415	35-95	10-95		13,4
CJAI011.2404C	6438100327422	240-300	185-300		25,3
CJAI011.2405C	6438100327439	400-630	400-630		31,1
36 kV with connector, 25mm ² screen					
CJAI011.3602C	6438100327828			25-95	18,4
CJAI011.3603C	6438100319434			70-240	18,4
CJAI011.3604C	6438100319748			120-300	25,3
CJAI011.3605C	6438100319960			400-630	31,1



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 mm ² 12 kV	Conductor size mm ² 24 kV	Min. diameter on the insulation mm
24 kV with connector				
CJAIOT11.2403C	6438100320775	95-240	70-240	18,4



CJAI011 All-in-One repair joint kits for 1 core XLPE with Cu wire and Al laminate screen

CJAI011 -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 mm ² 12 kV	Conductor size mm ² 24 kV	Conductor size mm ² 36-42 kV	Min. diameter on the insulation mm
36 kV with connector					
CJAI011.3603C-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 mm ² 12 kV	Conductor size mm ² 24 kV	Min. diameter on the insulation mm
24 kV with connector				
CJAIOW11.2403C	6438100321154	95-240	70-240	18,4

