

Cable cabinet 250 A

HDC-A 12-24 kV

Use

For jointing or branching XLPE-insulated 1-core or 3-core, 12-24 kV cables with conductor cross sections 10-95 mm², 250 A.

When branching in a cable grid, a branching point may be necessary to enable selected cable runs to be sectionalized during maintenance. With HDC-A, a solution is provided that makes this possible. Up to 3 cables can be connected in parallel.

Standards

- Enclosure meets the requirements of mechanical impact tests according to: IEC 60439-5
- Cable connectors meets the requirements of electrical tests according to CENELEC, HD 629.1 S2

Design

The enclosure is made of hot-dip-galvanized sheet steel plates with a foundation base plate and additional corrosion protection on parts that will be buried under ground.

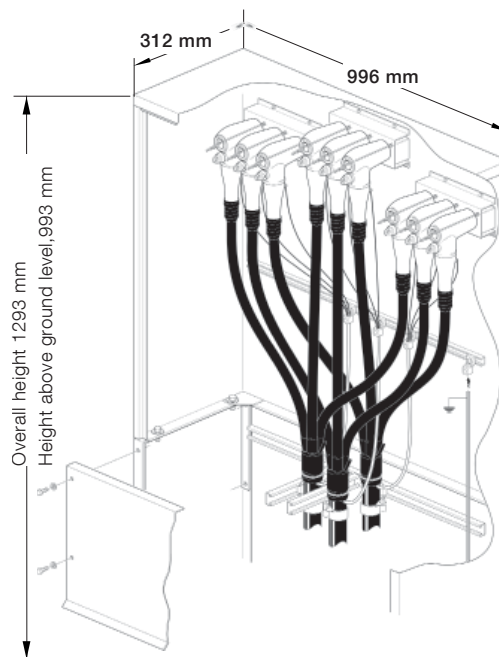
The screened separable cable connectors are connected with coupling pieces pre-mounted in the cabinet.

The cable cabinet is supplied with:

- 9 screened separable connectors
- Standard locks and padlock shackles

Note:

- For 3-core cables, screen separation kit must be used! To be ordered separately.



Designation basic configuration	Voltage level	XLPE-diameter	Conductor cross section	Weight
	kV	mm	mm ²	kg /unit
HDC-A 12250	12	13-22	25-95*	117
HDC-A 24250	24	17-25.5	25-95*	117

* For smaller cables, contact us.

Accessories for cable cabinet

HDC 12-24 kV, 250 A



IP 250
Screened insulating plug for installation in the connector so that the cable can be energized even when the connection is disconnected.



JP 250-HDC
Earth circuit connector for short-circuit protective earthing. For mounting on the disconnected connector. 3 pieces in a case.



IH-A 24250
Insulating hood made of flexible rubber with outer conductive layer and an already installed insulating rod. To be mounted at the bushing in HDC-A 250 for insulation when a cable is temporary disconnected and remaining cables are under voltage.



MA 250
Measurement adapter used for mega ohm Ω measurements and to perform different measurements up to 5 kV DC, for example determination of phases.



KA 250
Transversal anchor bar.



PSSK: for cables with Cu-wire screen, heat-shrink.
PSSK E: for Ericsson's cables with Al-wire screen, heat-shrink.



UKRA 90
Universal clamp.

Designation	Description	Qty	Weight
		kit	kg/unit
IP 250	Screened insulating plug	1	0.8
JP 250-HDC	Earthing circuit connector	3	3.0
IH-A 24250	Insulating hood	3	2.3
MA 250	Measurement adapter	1	0.3
KA 250	Busbar	1	0.5
PSSK 1	Screen separation kit for 3-core cable 10-70/12 kV, 10-35/24 kV	1	1.0
PSSK 1 E*	Screen separation kit for 3-core cable 10-70/12 kV, 10-35/24 kV	1	1.0
UKRA 90	Clamp for fixing cables	1	0.23

* Special screen separation for Ericsson's 3-core cable with Al-wire screen.

Cable cabinet 630 A

HDC-A 12–36

Use

For jointing or branching of XLPE-insulated, 12-36 kV 1-core or 3-core cables with conductor cross sections 25–630 mm², 630 A.

When branching in a cable grid, a branching point may be necessary to enable selected cable runs to be sectionalized during maintenance. With HDC-A a solution is provided that makes this possible. Up to four cables can be connected in parallel.

Standard

The cable cabinet meets the requirements for mechanical impact testing according to IEC 60439-5.

The cable connectors meets the electrical requirements according to CENELEC, HD 629.1 S2.

Design

The enclosure is made of hot-dip-galvanized sheet steel plates with a foundation base plate and additional corrosion protection on parts that will be buried under ground.

The screened separable cable connectors are connected with coupling pieces pre-mounted in the cabinet.

The cable cabinet is supplied with:

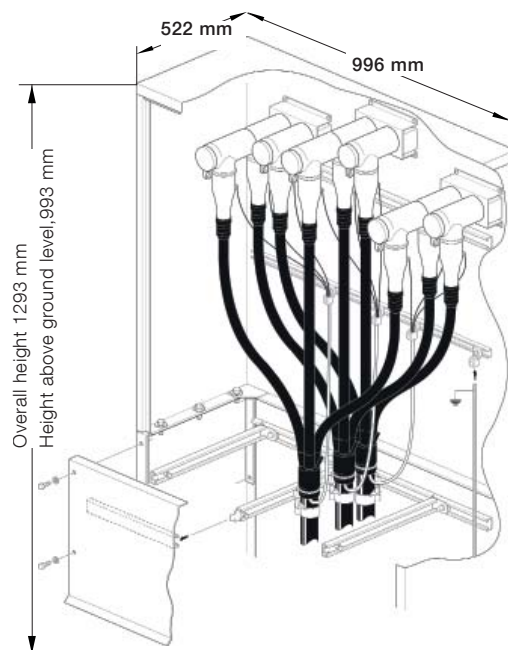
- Six screened separable cable connectors
- Lock and padlock hasp

Required when connecting more cables:

- 6 screened separable cable connectors type CSE-A.
- Parallel coupling piece type PC.

Note:

- For 3-core cables, screen separation kit type PSSK must be used. To be ordered separately.



The third cable connector is to be ordered separately.

Designation	Voltage level	Rated voltage	Conductor cross section	Weight
basic configuration	kV	A	mm ²	kg /unit
HDC-A 12630-01	12	630	25-70	140
HDC-A 12630-02	12	630	95-300	140
HDC-A 12630-03	12	630	400-630	140
HDC-A 24630-01	24	630	25-70	140
HDC-A 24630-02	24	630	95-300	140
HDC-A 24630-03	24	630	400-630	140
HDC-A 36630-01	36	630	50-70	140
HDC-A 36630-02	36	630	95-300	140
HDC-A 36630-03	36	630	400-630	140

Accessories for cable cabinet HDC-A 12-36 kV, 630 A



CSE-A
Screened separable connector 630 A for connection of an external cable.



IH-A 24630, IH-A 42630
Insulating sealing hood of flexible rubber with outer conductive layer and an already installed insulating hood. To be installed in HDC-A 630 instead of cable in order to temporarily insulating 630 A switchgear or transformer bushings.



PG 630
Bushing for voltage testing of the cable. Adapted to cable connectors 12-24 kV.



PG-A 630
Bushing for voltage testing of the cable. Adapted to cable connectors 36 kV.



PC 630-3
Parallel coupling piece. Replaces the plug in CSE-A when making a parallel connection to another CSE-A 12-24 kV.



PC 630-3 L
Parallel coupling piece. Replaces the plug in CSE-A when making a parallel connection to another CSE-A 36 kV.



JPB 630 HDC
Universal earthing device with two fields of application for 630 A and 12-36 kV:

- As earthing-for-work device mounted at the back of a connected cable connector.
- As short-circuit protective earthing mounted in front of a disconnected cable connector.



PC 630/250
Connector for connecting a CSE-A 250, in parallel with a previously mounted CSE-A 630. 3 pieces in kit, tool is included.



MA-A 630
Measurement adapter used for mega ohm Ω measurements and to perform different measurements up to 5 kV DC, for determination of phases.

Designation	Description	Qty.	Weight
		per kit	kg/kit
CSE-A	Screened separable connector. For information, see pages 36-43	3	-
IH-A 24630	Insulating sealing hood, 12-24 kV	3	5.2
IH-A 42630	Insulating sealing hood, 36 kV	3	5.2
PG 630	Bushing for voltage testing of the cable, 12-24 kV	1	1.5
PG-A 630	Bushing for voltage testing of the cable, 36 kV	1	2.0
PC 630-3	Parallel coupling piece, 630, 12-24 kV	3	1.1
PC 630-3 L	Parallel coupling piece, 630, 36 kV	3	1.1
JPB 630-HDC	Earthing-for-work device	3	5.0
PC 630/250	Parallel coupling piece between CSE-A 630 and CSE-A 250	3	3.0
MA-A 630	Measurement adapter	3	0.1



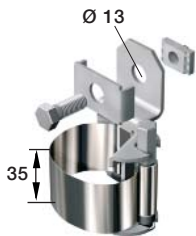
IP 630

Screened insulating plug for installation in the screened separable connector so that the cable can be energized even when the connector is disconnected from the switchgear or transformer.



JPA V

Tool for earthing-for-work device.



UKRA 90

Universal clamp.



PSSK L

Screen separation kit for cables with Cu-wire screen, heat shrink. To be ordered separately.

Designation	Description	Qty.	Weight
		per kit	kg/kit
IP 630	Insulating plug	1	0.8
JPA V	Tool for JPB 630-HDC	1	1.8
PSSK 1 L	Screen separation 3-core cable 10-70/12 kV, 10-35/24 kV	1	1.0
PSSK 2 L	Screen separation 3-core cable 95-300/12 kV, 50-300/24-36 kV	1	1.0
UKRA 90	Clamp for fixing cables	1	0.23
KA 630	Transversal anchor bar, add two when using 1-core cables	1	0.8