

ABB cable accessories 12-42 kV

Global product offering

ABB offers a complete range of connectors, joints, terminations from 12-42 kV for the cable networks. The range consists of pre-fabricated or premolded solutions for indoor and outdoor applications. The accessories are designed for installations in switchgears, transformers, overhead lines, wind power stations and other installations.

Product / Offering	Benefits and features	Suggested applications
Cable terminations indoor and outdoor SOT 7.2-36 kV 	SOT is a premolded cable termination with silicone rubber sleeve with integrated field control and top sealing. The outdoor variant has permanent sheds, which give an extended creepage distance. Indoor kit can also be installed in a humid environment. The design contains few components. The terminations are supplied in kits for 1 or 3-core cables. Kits for outdoor termination for 3-core cable includes a crutch seal.	Designed for installations in switchgears, transformers, wind power stations and other similar installations.
Indoor termination with geometrical field control APIT 12-36 kV 	APIT is a prefabricated indoor cable termination for XLPE and EPR-insulated 1 or 3-core cables with especially high demands on function, such as environments with voltage harmonics. The cable termination is made of rubber with prefabricated geometrical field control.	Designed for installations in switchgears, transformers, wind power stations and other applications where high frequency harmonics may occur.
Outdoor termination with geometrical field control APSEA 12-36 kV 	APSEA is a premolded outdoor cable termination for XLPE and EPR insulated 1 or 3-core cables with especially high demands on function, such as environments with voltage harmonics. The cable termination is made of rubber with prefabricated geometrical field control.	Designed for installations in switchgears, transformers, wind power stations and other applications where high frequency harmonics may occur.
Outdoor cable terminations APED 12-36 kV 	APED cable termination consists of a composite insulator fitted on a box body made of aluminium. The electrical stress control component is a premolded rubber stress cone. The insulator has sheds of short-long type and is filled with synthetic insulating oil. A post insulator kit which includes three stand-off insulators and a supporting plate used for insulated installation can be included.	Designed for installations on overhead lines, transformers or air-insulated switchyards. It is also suitable for outdoor and indoor installations in which the termination is to be used as a fixed connection point and for installations where there is a risk of continuous very high creepage currents.

Product / Offering	Benefits and features	Suggested applications
Screened separable cable connector CSS-A and CSE-A 250 A for 12-24 kV 	These are premolded screened separable connectors for XLPE-insulated 1 or 3-core 12-24 kV cables, with aluminium or copper conductors, copper wire screens or copper tape screens, and with or without aluminium or steel wire armouring. They can be installed indoors and outdoors and are supplied with screw cable lug and screw connection. The cable connectors include a capacitive test point with protection and an integrated earthing wire.	Designed for installations in switchgears, transformers, wind power stations and other similar installations.
Screened separable cable connector CSE-A 400 A for 12-42 kV 	These are premolded screened separable connectors for XLPE-insulated 1 or 3-core 12-24 kV cables, with aluminium or copper conductors, copper wire screens or copper tape screens, and with or without aluminium or steel wire armouring. They can be installed indoors and outdoors and are supplied with screw cable lug and screw connection. The cable connectors include a capacitive test point with protection and an integrated earthing wire.	Designed for installations in switchgears, transformers, wind power stations and other similar installations.
Screened separable cable connector CSE-A 630 A for 12-42 kV 	These are premolded screened separable connectors for XLPE-insulated 1 or 3-core 12-24 kV cables, with aluminium or copper conductors, copper wire screens or copper tape screens, and with or without aluminium or steel wire armouring. They can be installed indoors and outdoors and are supplied with screw cable lug and screw connection. The cable connectors include a capacitive test point with protection and an integrated earthing wire.	Designed for installations in switchgears, transformers, wind power stations and other similar installations.
Screened separable parallel connector CSEP-A 630 A for 12-42 kV 	CSEP-A is a screened separable parallel connector designed to be connected to a screened separable connectors type CSE-A 630 A, fits systems for 12-42 kV. It fulfils the requirements of CENELEC HD 629.1 S2. Complete kits available for cables with copper wire or copper tape screen.	CSEP-A is a complement to CSE-A, to be used whenever there is a need to install more than one cable in parallel to a bushing. Designed to fit an already installed CSE-A connector, with the advantage to fit compartments with limited space.
Surge arrester CSAP-A 630 A for 12-24 kV 	The premolded surge arrester is designed to be connected in parallel with screened separable connectors type CSE-A 630 A. Fits systems for 12-24 kV. CSAP-A fulfils the requirements of IEC 60099-4. It protects electrical components against overvoltage and transients and provides a compact installation.	Designed for installations in switchgears, transformers, in wind power stations and other installations, connected in parallel with ABB screened separable connectors type CSE-A 630 A.

Product / Offering	Benefits and features	Suggested applications
Premolded cable joint SOJ 12-24 kV 	The body of the joint is made from three layers of rubber – a conductive outer layer, an insulating layer and a conductive inner layer. The joint body is pre-expanded on plastic inserts before installation. When the cables have been connected and the joint is centred, the inserts are pulled out. This way the joint body provides active pressure on the cable insulation.	For jointing 12-36 kV XLPE and EPR-insulated 1 or 3-core cables with aluminum or copper conductors.
Cable cabinet Cable cabinet HDC-A 12-24 kV for 250 A  Cable cabinet HDC-A 12-36 kV for 630 A 	The enclosure is made of hot-dip galvanized steel plates with a foundation base plate, and additional corrosion protection on components that are installed underground. There is no need for plain concrete foundation or anything similar. The screened separable cable connectors are connected with coupling pieces pre-mounted in the cabinet. The enclosure fulfills the requirements for mechanical impact testing according to IEC 60439-5. The cable connectors fulfill the electrical requirements according to CENELEC, HD 629.1 S2. The enclosure is made of hot-dip galvanized steel plates with a foundation base plate, and additional corrosion protection on components that are installed underground. There is no need for plain concrete foundation or anything similar. The screened separable cable connectors are connected with coupling pieces pre-mounted in the cabinet. The enclosures fulfill the requirements for mechanical impact testing according to IEC 60439-5. The cable connectors fulfill the electrical requirements according to CENELEC, HD 629.1 S2.	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 for this is provided in HDC-A and up to 3 cables can be connected in parallel. For jointing or branching XLPE-insulated 1-core or 3-core, 12-36 kV 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 4 cables can be connected in parallel.
Cold shrink cable terminations indoor and outdoor CST 12-42 kV 	The body of these cold shrink terminations are made of high elastic liquid silicone rubber with hydrophobic and erosion resistant performance. The termination can be installed by pulling out the spiral and the termination body shrinks tightly on cable insulation. Supplied in kits for 1 or 3-core cables with cold shrink protective hose, crutch seal and cable earthing braids included in the kits.	Designed for installations in switchgears, transformers, wind power stations and other similar installations. For connecting 12-42 kV XLPE-insulated 1 or 3-core cables with aluminum or copper conductors.
Cold shrink cable joint JS-A 12-42 kV 	The body of the cold shrink joint is made from three layers of rubber – a conductive outer layer, an insulating layer and a conductive inner layer. The joint body is pre-expanded on spiral core in factory. When the cables have been connected and the joint is centred, the spiral are pulled out. This way the joint body will provides active pressure on the cable insulation.	For jointing 12-42 kV XLPE and EPR-insulated, 1 or 3-core cables with aluminum or copper conductors.

Product / Offering	Benefits and features	Suggested applications
Screened separable cable connector CSE-B 630 A for 12-24 kV 	Premolded screened separable connectors for XLPE-insulated 1- or 3-core 12-24 kV cables, with aluminium or copper conductors, copper wire screens or copper tape screens, and with or without aluminium or steel wire armouring. Can be installed both indoors and outdoors. It is supplied complete with crimp cable lug and screw connection. The cable connectors include both a capacitive test point with protection and an integrated earthing wire.	Designed for installations in switchgears, transformers, wind power stations and other similar installations.
CSEP-B 630 A for 12-24 kV 	CSEP-B is a screened separable parallel connector designed to be connected to a screened separable connectors type CSEP-B 630 A, fits systems for 12-24 kV.	CSEP-B is a complement to CSE-B, to be used whenever there is a need to install more than one cable in parallel to a bushing. Designed to fit an already installed CSE-B connector, with the advantage to fit compartments with limited space. Complete kits available for cables with copper wire or copper tape screen.
Surge arrester CSA-B and CSAP-B 630 A for 12 kV 	The premolder surge arrester is designed to be connected in parallel with screened separable connector type CSE-B 630 A. CSA-B is front surge arrester and CSAP-B is rear surge arrester. Fits systems for 12kV. Protects electrical components against overvoltage and transients. Provides a compact installation.	Designed for installations in switchgears, transformers, wind power stations and other similar installations, connected in parallel with ABB screened separable connectors type CSE-A 630 A.
GIS plug-in termination TP-A, 42 kV 	The TP-A fits the standard bushing of 2# and 3# inner cone GIS switch cabinet or transformer according to EN 50181. Field control unit is integrated stress cone which is made of silicone rubber. The connector is fixed with cable conductor by bolt so that no special tools are required during installation.	GIS plug-in cable termination for XLPE insulated 1-core or 3-core cable with copper conductors upto 42 kV.

Please note: This is ABB's global offering and some products might not be available in your country. For more information and local contacts, please visit: new.abb.com/cables/accessories

Contact us

ABB

For more information and local contacts, please visit:

new.abb.com/cables/accessories

The information contained in this document is for general information purposes only. While ABB strives to keep the information up to date and correct, it makes no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information, products, services, or related graphics contained in the document for any purpose. Any reliance placed on such information is therefore strictly at your own risk. ABB reserves the right to discontinue any product or service at any time.

© Copyright 2016 ABB. All rights reserved.
Specifications subject to change without notice.