

Premolded screened separable cable connector

CSE-A 36-42 kV, 630 A

Application

Premolded screened separable connectors for XLPE insulated 1-core or 3-core cables with Al- or Cu- conductor for 36-42 kV. Fit standard bushing of outer cone type C according to EN 50181.

Standard

- GB/T 12706.4

Features

- CSE-A is manufactured in EPDM rubber with three layers: a conductive inner layer, an insulation layer and a conductive outer layer. They are vulcanized together for the best possible interface between the layers.
- Delivered in 3-phases kits complete with crimping cable lug, and stress grading adapter, designed to ensure reliable installation.
- An earthing kit for 1-core or 3-core cable must be used. To be ordered separately.



36 kV, 630 A Premolded screened separable cable connector selection guide

Designation		18/30(36) kV	
Cu conductor	Al conductor	Insulation diameter (mm)	Conductor cross section (mm ²)
CSE-A36630-35	CSE-A36630-35AL	22.5-24.5	35
CSE-A36630-50	CSE-A36630-50AL	24.5-26.5	50
CSE-A36630-70	CSE-A36630-70AL	26.5-29.5	70
CSE-A36630-95	CSE-A36630-95AL	26.5-29.5	95
CSE-A36630-120	CSE-A36630-120AL	29.5-32.5	120
CSE-A36630-150	CSE-A36630-150AL	29.5-32.5	150
CSE-A36630-185	CSE-A36630-185AL	32.5-35.5	185
CSE-A36630-240	CSE-A36630-240AL	32.5-35.5	240
CSE-A36630-300	CSE-A36630-300AL	35.5-38	300
CSE-A36630-400	CSE-A36630-400AL	38-41.5	400
CSE-A36630-500	CSE-A36630-500AL	41.5-45.5	500
CSE-A36630-630	CSE-A36630-630AL	45.5-48	630

42 kV, 630 A Premolded screened separable cable connector selection guide

Designation		26/35(40.5) kV	
Cu conductor	Al conductor	Insulation diameter (mm)	Conductor cross section (mm ²)
CSE-A42630-50	CSE-A42630-50AL	30-32.5	50
CSE-A42630-70	CSE-A42630-70AL	32.5-34.2	70
CSE-A42630-95	CSE-A42630-95AL	34.2-37	95
CSE-A42630-120	CSE-A42630-120AL	34.2-37	120
CSE-A42630-150	CSE-A42630-150AL	37-41	150
CSE-A42630-185	CSE-A42630-185AL	37-41	185
CSE-A42630-240	CSE-A42630-240AL	41-45	240
CSE-A42630-300	CSE-A42630-300AL	41-45	300
CSE-A42630-400	CSE-A42630-400AL	45-48.5	400
CSE-A42630-500	CSE-A42630-500AL	48.5-50.5	500

Always select products by insulation diameter.

Premolded screened separable cable connector

CSE-B 12-24 kV, 630 A



Application

Premolded screened separable connectors for XLPE insulated 1-core or 3-core cables with Al or Cu conductor for 12-24 kV. Can be installed both indoors and outdoors.

Fit standard bushing of outer cone type C according to EN 50181.

Features

- ABB robotics production process is applied to produce CSE-B 630. It is manufactured in EPDM rubber with three layers: a conductive inner layer, an insulation layer and a conductive outer layer. They are vulcanized together for the best possible interface between the layers. It has good UV, Ozone and tracking resistance for outdoor use.

Standard

- IEC 60502.4
- GB/T 12706.4
- Delivered in 3-phases kits complete with crimping cable lug, and stress grading adapter, designed to ensure reliable installation.
- An earthing kit for 1-core or 3-core cable must be used. To be ordered separately.

12 kV, 630A Premolded screened separable cable connector selection guide

Designation		Insulation diameter (mm)	8.7/15(17.5) kV
Cu conductor	Al conductor		Conductor cross section (mm ²)
CSE-B12630-25	CSE-B12630-25AL	15.4-18.5	25
CSE-B12630-35	CSE-B12630-35AL	15.4-18.5	35
CSE-B12630-50	CSE-B12630-50AL	17.9-21.5	50
CSE-B12630-70	CSE-B12630-70AL	17.9-21.5	70
CSE-B12630-95	CSE-B12630-95AL	21-25	95
CSE-B12630-120	CSE-B12630-120AL	21-25	120
CSE-B12630-150	CSE-B12630-150AL	24.5-28.5	150
CSE-B12630-185	CSE-B12630-185AL	24.5-28.5	185
CSE-B12630-240	CSE-B12630-240AL	28.1-32.7	240
CSE-B12630-300	CSE-B12630-300AL	28.1-32.7	300
CSE-B12630-400	CSE-B12630-400AL	32.2-36.4	400
CSE-B12630-500	CSE-B12630-500AL	36.4-42	500

Always select products by insulation diameter.

24 kV, 630A Premolded screened separable cable connector selection guide

Designation		Insulation diameter (mm)	12/24 kV
Cu conductor	Al conductor		Conductor cross section (mm ²)
CSE-B24630-25	CSE-B24630-25AL	15.4-18.5	25
CSE-B24630-35	CSE-B24630-35AL	17.9-21.5	35
CSE-B24630-50	CSE-B24630-50AL	17.9-21.5	50
CSE-B24630-70	CSE-B24630-70AL	21-25	70
CSE-B24630-95	CSE-B24630-95AL	21-25	95
CSE-B24630-120	CSE-B24630-120AL	24.5-28.5	120
CSE-B24630-150	CSE-B24630-150AL	24.5-28.5	150
CSE-B24630-185	CSE-B24630-185AL	28.1-32.7	185
CSE-B24630-240	CSE-B24630-240AL	28.1-32.7	240
CSE-B24630-300	CSE-B24630-300AL	32.2-36.4	300
CSE-B24630-400	CSE-B24630-400AL	32.2-36.4	400
CSE-B24630-500	CSE-B24630-500AL	36.4-42	500

Always select products by insulation diameter.

Brief technical specifications

Test	CSE-B 630 Results
AC voltage withstand test	No breakdown occurred on the combination samples at 54kV for 5 mins
Partial discharge test at ambient temperature	20 kV, <1.4 pC
Impulse voltage withstand test at 95°C ~ 100°C	No breakdown occurred on the combination samples at 10 positive and 10 negative impulses of 125 kV
Heat cycling test	No breakdown occurred on the combination samples subjected to 30 cycles in air and 30 cycles under water at the conductor temperature of 95°C ~ 100°C and 30 kV