



CCSX (BLX)



Weather-res
istant



Halogen-fre
e

CCSX W 10–52 kV is a round-stranded, non-compacted covered overhead line designed for superior reliability and extended service life. The conductor is longitudinally watertight through extruded polymer applied between each conductor layer, effectively preventing water ingress and corrosion to ensure enhanced durability and performance.

The manufacturing process integrates water blocking and three extruded layers in a single operation, guaranteeing consistent quality and functionality. The UV-protected outer sheath provides resistance to sunlight and environmental stress, ensuring long-term suitability for outdoor applications.

CCSX is available in FeAl design and AlMgSi type Al7. Each conductor is marked with manufacturer / type / EN50397-1 / year + month / meter marking for full traceability. It is produced in all standard dimensions and offered in black, grey, or green, with options for customized solutions.

Amokabel also provides Environmental Product Declarations (EPD) for all CCSX products. Manufacturing and testing comply with EN50397-1 and SS4241464.

APPLICATION

CCSX is a thermoset (XLPE) covered conductor with maximum operating temperature of +80°C. CCSX is a round-wire, non-compacted, coated overhead line conductor.

The conductor is longitudinally water-blocked by extruded polymer between each layer of the conductor.

The longitudinally water-blocked conductor and the three extruded layers are manufactured in a single, integrated process to ensure optimal quality and performance.

STANDARDS

Construction

EN50397-1

CONSTRUCTION

Bending radius - Extraction

15 xOD

Bending radius - Final mount fixed

10 xOD

Color

Black

Conductor

AAAC, ACSR, ACSC

Insulation

XLPE

Labeling example

AMOKABEL-K CCSX 99 AAAC 20(24)kV W EN50397-1 year/month, meter marking

Outer sheath

XLPE

Semiconductor

Yes, extruded

PROPERTIES

Max. Short circuit temperature

250

Max temperature

80 °C

Min. temperature

-20 °C

UV resistance

Yes

Watertightness

Yes, extruded polymer



Name	E-Number	Cross section [mm ²]	Construction	Outer diameter [mm]	Total weight [kg/km]
CCSX 50 AL7 20(24)kV W		50			247
CCSX 50 AL7 30(36)kV W		50			292
CCSX 50 AL7 33kV W		50			309
CCSX 62 ACSR 20(24)kV W	0620072	62	1+6		331
CCSX 62 ACSR 33kV W		62	1+6		385
CCSX 70 AL7 20(24)kV W		70			313
CCSX 70 AL7 30(36)kV W		70			362
CCSX 70 AL7 33kV W		70			380
CCSX 99 ACSR 20(24)kV W	0620122	99	1+6		489
CCSX 99 ACSR 52kV W		99	1+6		587
CCSX 99 AL7 20(24)kV W	0620123	99			417
CCSX 99 AL7 33kV W		99			491
CCSX 100 ACSR W ET		100	1+6		702
CCSX 100 AL7 52kV W		100			530
CCSX 100 AL7 W ET		100			645
CCSX 120 AL7 20(24)kV W		120			506
CCSX 120 AL7 30(36)kV W		120			547
CCSX 120 AL7 33kV W		120			568
CCSX 120 AL7 52kV W		120			610
CCSX 159 AL7 20(24)kV W	0620172	159			635
CCSX 159 AL7 33kV W		159			724
CCSX 159 AL7 52kV W		159			751
CCSX 241 AL7 20(24)kV W	0620229	241			920
CCSX 241 AL7 33kV W		241			1023
CCSX 241 AL7 ET W		241			1209
CCSX 329 AL7 20(24)kV W		329			1244
CCSX 329 AL7 33kV W		329			1346
CCSX 329 AL7 52kV W		329			1388

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Name	E-Number	Cross section [mm ²]	Construction	Outer diameter [mm]	Total weight [kg/km]
CCSX 329 AL7 ET W		329			1550

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