

CCSX - HYBRID

CCSX W Hybrid is a round-wire, non-compacted, crosslinked covered conductor designed for reliable performance in overhead line applications. All conductors are longitudinally water blocked, effectively preventing water ingress and reducing the risk of corrosion.

All three layers are extruded in a single process to ensure consistent quality and optimal functionality. The UV-protected HDPE jacket provides excellent resistance to abrasion and tracking, ensuring long-term durability in outdoor environments.

APPLICATION

CCSX-Hybrid is a thermoset (XLPE) covered conductor with maximum operating temperature of +80°C. CCSX-Hybrid 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

Grey

Conductor

AAAC, ACSR, ACSC

Insulation

XLPE

CONSTRUCTION

Labeling example

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

Outer sheath

HDPE

Semiconductor

Yes, extruded

PROPERTIES

Max. Short circuit temperature

250

Max temperature

80 °C

Min. temperature

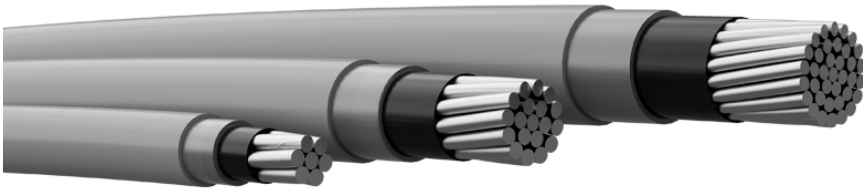
-20 °C

UV resistance

Yes

Watertightness

Yes



Name	Cross section [mm ²]	Construction	Outer diameter [mm]	Total weight [kg/km]
CCSX 25 ACSC 22kV W Hybrid	25			253
CCSX 50 AL7 20(24)kV W Hybrid	50			247
CCSX 62 ACSR 22kV W Hybrid	62	1+6		340
CCSX 62 AL7 20(24)kV W Hybrid	62			285
CCSX 70 AL7 22kV W Hybrid	70			323
CCSX AL7 70 33kV - Hybrid	70			385
CCSX 99 ACSR 20(24)kV W Hybrid	99	1+6		489
CCSX 99 AL7 22kV W Hybrid	99			429
CCSX 99 AL7 52kV W Hybrid	99			530
CCSX 120 AL7 20(24)kV W Hybrid	120			506
CCSX 120 AL7 22kV W Hybrid	120			516
CCSX 120 AL7 33kV W Hybrid	120			568
CCSX 120 AL7 ET W Hybrid	120			735
CCSX 159 AL7 22kV W Hybrid	159			642
CCSX 159 AL7 33kV W Hybrid	159			724
CCSX 159 AL7 52kV W Hybrid	159			751
CCSX 185 AL7 33kV W Hybrid	185			824
CCSX AL7 185 33kV - Hybrid	185			739
CCSX 241 AL7 22kV W Hybrid	241			939
CCSX 241 AL7 33kV W Hybrid	241			1023

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