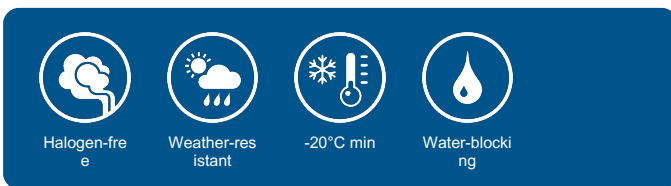


CCST (BLL)



Covered Conductors (CCST) W 10–52 kV is a round-stranded, non-compacted covered overhead line designed for maximum 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.

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

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

Amokabel also provides Environmental Product Declarations (EPD) for all CCST products. Manufacturing and testing are carried out in accordance with EN50397-1 and SS4241464.

APPLICATION

CCST is a thermoplastic covered conductor with maximum operating temperature of +70°C. CCST 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
Green, black, grey

Conductor
AAAC, ACSR, ACSC

Insulation
PE

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

Outer sheath
HDPE

Semiconductor
Yes, extruded

PROPERTIES

Max. Short circuit temperature
200

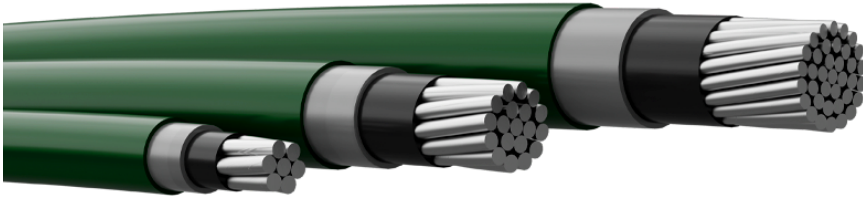
Max traction
40 N/mm²

Max temperature
70 °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]
CCST 35 AL7 20(24)kV W		35			182
CCST 50 AL7 20(24)kV W		50			247
CCST 50 AL7 30(36)kV W		50			292
CCST 50 AL7 52kV W		50			331
CCST 62 ACSR 20(24)kV W	0620074	62	1+6	15.4	331
CCST 62 AL7 20(24)kV W		62			285
CCST 70 AL7 20(24)kV W		70			313
CCST 70 AL7 30(36)kV W		70			362
CCST 70 AL7 52kV W		70			404
CCST 99 ACSR 20(24)kV W	0620120	99	1+6	18.1	489
CCST 99 ACSR 52kV W	0620134	99	1+6		587
CCST 99 AL7 20(24)kV W	0620124	99		18.1	417
CCST 99 AL7 52kV W	0620133	99			530
CCST 120 AL7 20(24)kV W		120			506
CCST 159 AL7 20(24)kV W	0620164	159		21.6	635
CCST 159 AL7 52kV W	0620135	159			751
CCST 185 AL7 20(24)kV W		185			730
CCST 241 AL7 20(24)kV W	0620224	241		25.4	920
CCST 241 AL7 30(36)kV W		241			997
CCST 241 AL7 33kV W		241			1023
CCST 241 AL7 52kV W	0620136	241			1077
CCST 329 AL7 20(24)kV W	0622222	329		28.8	1244
CCST 329 AL7 33kV W		329	37		1346
CCST 329 AL7 52kV W		329			1388

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