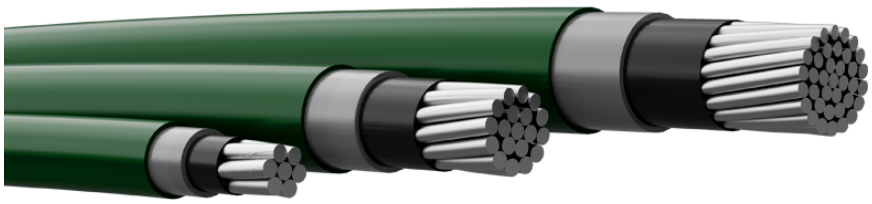


CCST (BLL)

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/mm^2

Max temperature
70 °C

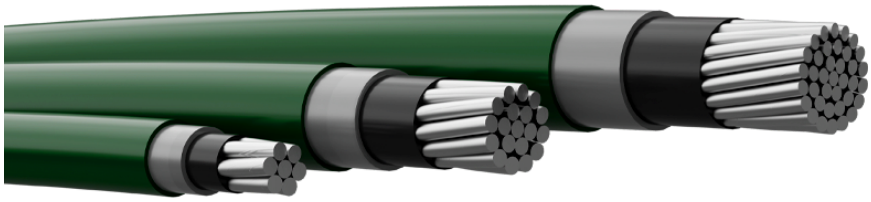
Min. temperature
-20 °C

UV resistance
Yes

Watertightness
Yes, extruded polymer

Amo Kraftkabel
Kabelvägen 5 • Alstermo • 36443 • Sweden

+46 481 50890
rfq.kraft@amokabel.com



Name	Article number	Cross section [mm²]	Outer diameter [mm]	Total weight [kg/km]	AC voltage rating	Number of strands [pcs]	Strand diameter [mm]
CCST 35 AL7 20(24)kV W	10983	35	12.7	182	20(24)kV	7	2.5
CCST 50 AL7 20(24)kV W	10006	50	14.44	247	20(24)kV	7	3.08
CCST 50 AL7 30(36)kV W	10638	50	16.44	292	30(36)kV	7	3.08
CCST 50 AL7 52kV W	10847	50	17.84	331	52kV	7	3.08
CCST 62 ACSR 20(24)kV W	0620074	62	15.31	331	20(24)kV	7	3.37
CCST 62 AL7 20(24)kV W	10082	62	15.31	285	20(24)kV	7	3.37
CCST 70 AL7 20(24)kV W	10009	70	15.91	313	20(24)kV	7	3.57
CCST 70 AL7 30(36)kV W	10010	70	17.91	362	30(36)kV	7	3.57
CCST 70 AL7 52kV W	10848	70	19.31	404	52kV	7	3.57
CCST 99 ACSR 20(24)kV W	0620120	99	17.95	489	20(24)kV	7	4.25
CCST 99 ACSR 52kV W	0620134	99	21.35	587	52kV	7	4.25
CCST 99 AL7 20(24)kV W	0620124	99	17.95	417	20(24)kV	7	4.25
CCST 99 AL7 52kV W	0620133	99	21.35	530	52kV	7	4.25
CCST 120 AL7 20(24)kV W	10013	120	19.4	506	20(24)kV	19	2.84
CCST 159 AL7 20(24)kV W	0620164	159	21.5	635	20(24)kV	19	3.26
CCST 159 AL7 52kV W	0620135	159	24.9	751	52kV	19	3.26
CCST 185 AL7 20(24)kV W	10785	185	22.8	730	20(24)kV	19	3.52
CCST 241 AL7 20(24)kV W	0620224	241	25.3	920	20(24)kV	19	4.02
CCST 241 AL7 30(36)kV W	10024	241	27.3	997	30(36)kV	19	4.02
CCST 241 AL7 33kV W	10022	241	27.96	1023	33kV	19	4.02
CCST 241 AL7 52kV W	0620136	241	28.7	1077	52kV	19	4.02
CCST 329 AL7 20(24)kV W	0622222	329	28.8	1244	20(24)kV	37	3.37
CCST 329 AL7 33kV W	10604	329	31.45	1346	33kV	37	3.37
CCST 329 AL7 52kV W	10606	329	32.19	1388	52kV	37	3.37

Amo Kraftkabel
Kabelvägen 5 • Alstermo • 36443 • Sweden

+46 481 50890
rfq.kraft@amokabel.com