

CCX WK 20 kV

XLPE insulated medium voltage overhead line

DESIGN



- 1 | Bare alloy aluminium conductor (AlMgSi), round stranded compressed (RM). Longitudinally watertight by dry filling.
- 2 | Core insulation (XLPE, black, UV resistant)

TECHNICAL DATA



Standard:
EN 50397-1



Rated voltage:
20 kV



Test voltage:
20 kV/50 Hz



Temperature range:
 laying temperature: min. -20 °C
 operating temperature: -40 °C to +80 °C
 conductor temperature: max. +80 °C
 short-circuit temperature: max. +130 °C/5 s



Bending radius (min.):
18 x Ø of cable

APPLICATION

Suitable for AC high-voltage overhead power lines. Provide protection against accidental contact with other life covered overhead conductors and with grounded parts. Since these cables are unshielded they are not touch proof and shall be treated as bare conductors in respect to electric shock.

New marking Number of cores x nominal cross section (mm ²)	Old marking Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in air ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
CCX WK 20 kV							
34-AL3	1 x 35 RM	1.047	9.64	169	11.9	175	500 D, 1,000 D
49-AL3	1 x 50 RM	0.700	13.87	210	13.3	225	500 D, 1,000 D
66-AL3	1 x 70 RM	0.528	18.44	255	14.7	280	500 D, 1,000 D
93-AL3	1 x 95 RM	0.372	26.14	320	16.7	375	500 D, 1,000 D
117-AL3	1 x 120 RM	0.297	32.79	365	18.1	450	500 D, 1,000 D
147-AL3	1 x 150 RM	0.237	41.23	425	19.8	560	500 D, 1,000 D

1) basic current acc. to EN 50397-1 resp. EN 50182
Subject to technical changes.