PRAKAB PRAŽSKÁ KABELOVNA

CCX WK 20 kV

XLPE medium voltage overhead line

DESIGN

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

APPLICATION

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

TECHNICAL DATA

Standard:
EN 50397-1

Rated voltage:
20 kV

Test voltage:
core / core 20 kV / 50 Hz

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

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

New marking: Number of cores x nominal cross section (mm²)	Old marking: Number of cores x nominal cross section RM (mm²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
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34 -AL3	1 x 35	1.047	9.64	169	12.1	161	500 D, 1000 D
48 -AL3	1 x 50	0.7	13.87	210	13.5	211	500 D, 1000 D
66 -AL3	1 x 70	0.528	18.44	255	14.9	269	500 D, 1000 D
93 -AL3	1 x 95	0.372	26.14	320	16.8	358	500 D, 1000 D
117 -AL3	1 x 120	0.297	32.79	365	18.2	433	500 D, 1000 D
147 -AL3	1 x 150	0.237	41.23	425	19.9	531	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.