

XV-flex C_{ca}

Flexible power cable, 0,6/1 kV
+90 °C service temperature, fire retardant
NBN HD 604 4-G and EN 50575

Application

Flexible single core power cable with improved fire characteristics for fixed installations. Particularly suitable for installations with limited room and/or with a lot of bends with short radius.
For fixed installation indoors, on cable trays, in pipe, in conduits or similar system. Outdoor laying only permitted when protected from direct sunlight and other external impacts.

Construction



1. Conductor: Copper conductor, flexible (class 5)
2. Insulation: XLPE
3. Outer sheath: PVC, grey

Technical information

Operating voltage	0,6/1 kV
Max. permissible temperature at conductor	90 °C
Max. short circuit temperature of the conductor	250 °C
Min. installation temperature	-5 °C
Operating temperature	-15 °C to 90 °C
Min. bending radius mm	5 x outer diameter in mm

Safety parameters

Reaction to fire EN 50399 C_{ca} – s3, d2, a3

N° of cores and cross section mm ²	Insulation thickness approx. mm	Sheath thickness approx. mm	Outer diameter approx. mm	Current rating air 30 °C * A max.	Current rating buried 20 °C ** A max.	Weight approx. kg/km
1 x 95	1,1	1,8	19,4	377	270	1050
1 x 120	1,2	1,8	21,2	437	306	1288
1 x 150	1,4	1,8	23,4	504	343	1609
1 x 185	1,6	1,8	25,9	575	387	1951
1 x 240	1,7	1,8	28,3	679	448	2560

* Reference method F for single-core according to IEC 60364-5-52 in open air at 30°C ambient temperature.

** Reference method D2 according to IEC 60364-5-52. Directly buried at 0,7 m depth with soil thermal resistivity of 2,5 K·m/W and 20°C of ground temperature.

For all cables is supposed a single-phase circuit.

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.