

Prima Cable LV ABC detailed specification

Characteristic		Units	Nominal Cross-sectional area of conductor, mm ²							
			16	25	35	50	70	95	120	150
Numbers of cores			2/4	2/3/2004	2/3/2004	2/3/2004	4	2/4	4	4
Form of conductors					strain	dedco	mpacted	circular		
Number of wires in conductor			7	7	7	7	19*	19*	19*	19*
Diameter of conductors	• min	Mm	4.5	5.8	6.8	8	9.6	11.3	12.8	14.1
	• max	Mm	4.8	6.1	7.2	8.4	10.1	11.9	13.5	14.9
Maximum d. c. resistance of conductor in the cable at 200 C		W/km	1.91	1.2	0.868	0.641	0.443	0.32	0.253	0.206
Minimum breaking load of conductor (calculation) based on a minimum conductor tensile stress of 140 Mpa)		kN	2.2	2.2	4.9	7	9.8	13.3	16.8	21
Minimum average thickness of insulation excluding ribs		mm	1.3	1.3	1.3	1.5	1.5	1.7	1.7	1.7
Minimum thickness of insulation at any point		mm	1.07	1.07	1.07	1.25	1.25	1.43	1.43	1.43
Maximum thickness of insulation at any point excluding ribs		mm	1.91	1.9	1.9	2.1	2.1	2.3	2.3	2.3s
Maximum diameter of core (excluding ribs)		mm	7.9	9.2	10.3	11.9	13.6	15.9	17.5	18.9