

Rigid Cable

CLASS 2. RIGID CABLE					
Nominal section	Minimum number of conductive wires			Máximum conductor resistance at 20°C	
	Non-compact ring conductor	Compact ring conductor	Sectorial conductor	Conductive copper	
				Bare wires	Wires coated with a metal layer
mm ²	Cu	Cu	Cu	Ω / km	Ω / km
0,5	7	–	–	36,0	36,7
0,75	7	–	–	24,5	24,8
1	7	–	–	18,1	18,2
1,5	7	6	–	12,1	12,2
2,5	7	6	–	7,41	7,56
4	7	6	–	4,61	4,70
6	7	6	–	3,08	3,11
10	7	6	–	1,83	1,84
16	7	6	–	1,15	1,16
25	7	6	6	0,727	0,734
35	7	6	6	0,524	0,529
50	19	6	6	0,387	0,391
70	19	12	12	0,268	0,270

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mm ²	Cu	Cu	Cu	Ω / km	Ω / km
95	19	15	15	0,193	0,195
120	37	18	18	0,153	0,154
150	37	18	18	0,124	0,126
185	37	30	30	0,0991	0,100
240	37	34	34	0,0754	0,0762
300	61	34	34	0,0601	0,0607
400	61	53	53	0,0470	0,0475
500	61	53	53	0,0366	0,0369
630	91	53	53	0,0283	0,0286
800	91	53	–	0,0221	0,0224
1000	91	53	–	0,0176	0,0177
1200		b		0,0151	0,0151
1400 ^a		b		0,0129	0,0129
1600		b		0,0113	0,0113
1800 ^a		b		0,0101	0,0101
2000		b		0,0090	0,0090

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mm ²	Cu	Cu	Cu	Ω / km	Ω / km
2500	b			0,0072	0,0072
<p>^a These measures are not preferred</p> <p>^b For these measurements, the minimum number of wires is not specified. These measures can be constructed from 4, 5 or 6 identical segments.</p>					