



Copper Cu

Product format:

Cable

Technical characteristics:

Rigid copper wires for electrical applications

CLASS 2. RIGID CABLE

1	2	3	4	5	6	7	8	9
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
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

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						Bare wires	Wires coated with a metal layer	
	Cu	Cu	Cu	Ω / km	Ω / km			
mm ²								
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
2500			b				0,0072	0,0072

^a These measures are not preferred
^b For these measurements, the minimum number of wires is not specified. These measures can be constructed from 4, 5 or 6 identical segments.

