

ELECTRICAL RESISTANT TABLES

CEI EN 60228						
CLASS 1			CLASS 2			
Solid conductor for unipolar and multipolar cables			Stranded conductor for unipolar and multipolar cables			
Nominal section	Max conductor resistance 20°		Nominal section	Minimum number of wires	Max conductor resistance 20°	
	Copper conductor circular cross-section			Circular conductor	Copper conductor	
	Bare wires	Insulated wires			Bare wires	Insulated wires
mm²	Ω/km	Ω/km	mm²	Cu	Ω/km	Ω/km
0,5	36,0	36,70	0,5	7	36,0	36,7
0,75	24,5	24,80	0,75	7	24,5	24,8
1	18,1	18,20	1	7	18,1	18,2
1,5	12,1	12,20	1,5	7	12,1	12,2
2,5	7,41	7,56	2,5	7	7,41	7,56
4	4,61	4,70	4	7	4,61	4,70

CEI EN 60228							
CLASS 5				CLASS 6			
Flexible conductor for unipolar and multipolar cables				Flexible conductor for unipolar and multipolar cables			
Nominal section	Max diameter of wire	Max conductor resistance 20°		Nominal section	Max diameter of wires	Max conductor resistance 20°	
		Bare wires	Insulated wires			Bare wires	Insulated wires
mm ²	mm	Ω/km	Ω/km	mm ²	mm	Ω/km	Ω/km
0,5	0,21	39,0	40,1	0,5	0,16	39,0	40,1
0,75	0,21	26,0	26,7	0,75	0,16	26,0	26,7
1	0,21	19,5	20,0	1	0,16	19,5	20,0
1,5	0,26	13,3	13,7	1,5	0,16	13,3	13,7
2,5	0,26	7,98	8,21	2,5	0,16	7,98	8,21
4	0,31	4,95	5,09	4	0,16	4,95	8,21