

## Stranded Bare Copper Conductors Description

Bare copper cable offers a low impedance and is the essential component of a grounding system. Its applications are wide, it is often used in excavations as an earth electrode, or buried in concrete foundation in civil engineering.

Uni Industry Group Co., Ltd. offers a range of bare copper cables (annealed or not) with cross sections starting from 6 to 300mm<sup>2</sup>. Other sections are also available on request. The composition of the cable strands varies from 7 to 37 strands. The manufacturing process meets the requirements of the IEC EN 60228: class 2 bare copper conductors for grounding installations.

Find out more about the characteristics of the electrode, lightning protection conductors as per IEC EN 62561-2 standard : Lightning Protection System Components - Part 2: Requirements for Conductors and Earth Electrodes

## Dimensions and composition of bare copper cables

Characteristics of bare copper cables

Nominal cross-section (mm <sup>2</sup> )	Number and wire dia. (mm)	Outer dia. (mm)	Number and wire dia. (mm)	Outer dia. (mm)	Number and wire dia. (mm)	Outer dia. (mm)	Number and wire dia. (mm)	Outer dia. (mm)
10	7 X 1.43	4.1	19 X 0.80	4.2	37 X 0.60	4.2	-	-
16	7 X 1.71	5.1	19 X 1.03	5.2	37 X 0.75	5.2	-	-
25	7 X 2.13	6.4	19 X 1.30	6.5	37 X 0.90	6.4	-	-
29	-	-	19 X 1.40	7.0	-	-	-	-
35	7 X 2.53	7.6	19 X 1.53	7.7	37 X 1.10	7.7	-	-
50	7 X 3	9	19 X 1.77	9.2	37 X 1.31	9.2	-	-
70	7 X 3.56	10.7	19 X 2.14	10.9	37 X 1.55	10.9	-	-
95	-	-	19 X 2.52	12.5	37 X 1.81	12.7	61 X 1.40	12.6
120	-	-	19 X 2.84	14.2	37 X 2.05	14.2	61 X 1.60	14.4
150	-	-	19 X 3.18	15.9	37 X 2.21	16	61 X 1.77	15.9
185	-	-	-	-	37 X 2.50	17.7	-	-
240	-	-	-	-	37 X 2.83	19.8	-	-
300	-	-	-	-	37 X 3.21	22.5	-	-
400	-	-	-	-	-	-	61 X 2.89	26
500	-	-	-	-	-	-	91 X 2.65	29.1

## CUR CÂBLE NU CÂBLE DE MISE À LA TERRE

Code Imacab	Section (mm <sup>2</sup> )	Diamètre extérieur nominal (mm)	Masse approx +/-1% (Kg/Km)	Résistance électrique max à 20°C (Ω/Km)	Conditionnement standard T : Touret (m)
CUR6	6	2.87	52	3.08	C 100/50m / T 10000
CUR10	10	3.70	85	1.83	T 5000
CUR16	16	4.65	137	1.15	T 3500
CUR25	25	5.98	217	0.727	T 2000
CUR35	35	6.84	300	0.524	T 1500
CUR50	50	8.06	403	0.387	T 1200
CUR70	70	9.70	594	0.268	T 800
CUR95	95	11.35	820	0.193	T 600
CUR120	120	12.75	1032	0.153	T 1000
CUR146	146	14.10	1316	0.128	T 1000
CUR150	150	14.20	1260	0.124	T 1000
CUR185	185	15.95	1585	0.0991	T 600
CUR240	240	18.50	2100	0.0754	T 500