Copper-Bonded Ground Rod

Kumwell Copper-Bonded Ground Rods meet the requirements of the world rigorous standard-UL.

Ground rods are made by molecularly bonding process 99.9% purity electrolytic copper onto high tensile and low carbon steel cores to ensure a perfect and even bonding between the steel and copper. The copper layer whose minimum thickness is 254 micron met to UL standard.

Standard size diameters being common used are 1/2" , 5/8" , 3/4" , and 1".

Standard lengths being common used are 4' to 10'.

Thread type ground rods are available for extensible the length of ground rods by coupling.

Kumwell Intensive Test and Inspection of Ground Rod

Ground Rods should pass the following criterions of international standards as shown;

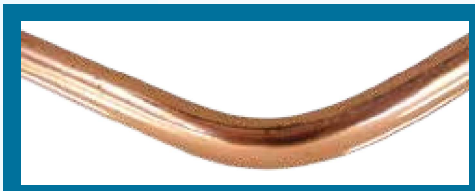
Thickness Inspection

Copper shell of each ground rod shall be passed the thickness inspection to ensure its protective coating.

The copper shell shall not be less than 0.254 mm (254 micron) thick at any point met to UL 467 standard.

Adherence of Coating Test

There shall be no separation of the coating from the steel core when subjected to the test described as follow met with UL 467standard requirements. Peeling of the coating by the steel plates or the jaws of the vise shall be allowed.



Bending Strength Test

There shall be no cracking of the coating when subjected to the test met with UL 467standard requirements. The application of force shall be such that the rod is permanently bent through a 30° angle.

Straightness Test

Ground rod should be passed straightness test to ensure in its straightness and high tensile with acceptable sag. The deviation of every 305 mm ground rod shall be less than 3.05 mm.

Kumwell

Copper-Bonded Ground Rod

UL LISTED
GROUNDING ELECTRODE
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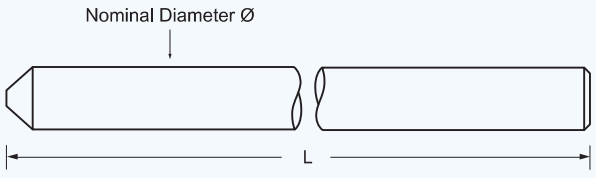
Copper-Bonded Ground Rod is made by molecularly bonding pure electrolytic copper onto a low carbon, high tensile steel core with exceeding 0.254 mm (254 micron) thick.To ensure in safety and quality, it meets UL standard for grounding and bonding equipments.

Standard Type (UL-Listed)

Code No.	Nominal Diameter (Ø)		Length (L)	Weight
	(in)	(mm)	(ft)	(kg)
GRCBU 128	1/2	12.7	8	2.47
GRCBU 1210	1/2	12.7	10	3.08
GRCBU 588	5/8	14.2	8	3.08
GRCBU 5810	5/8	14.2	10	3.80
GRCBU 348	3/4	17.2	8	4.46
GRCBU 3410	3/4	17.2	10	5.58
GRCBU 18	1	23.1	8	7.46
GRCBU 110	1	23.1	10	10.15

Standard Type

Code No.	Nominal Diameter (Ø)		Length (L)	Weight
	(in)	(mm)	(ft)	(kg)
GRCBU 124	1/2	12.7	4	1.23
GRCBU 125	1/2	12.7	5	1.54
GRCBU 126	1/2	12.7	6	1.85
GRCBU 584	5/8	14.2	4	1.54
GRCBU 585	5/8	14.2	5	1.92
GRCBU 586	5/8	14.2	6	2.31
GRCBU 587	5/8	14.2	7	2.69
GRCBU 344	3/4	17.2	4	2.23
GRCBU 345	3/4	17.2	5	2.78
GRCBU 346	3/4	17.2	6	3.35
GRCBU 347	3/4	17.2	7	3.89
GRCBU 16	1	23.1	6	6.09



Special size can be requested.

Tested : IEC 62561 - 2 , UL 467
Application : Suitable for disperse current into the earth
Material : Copper-bonded Steel

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