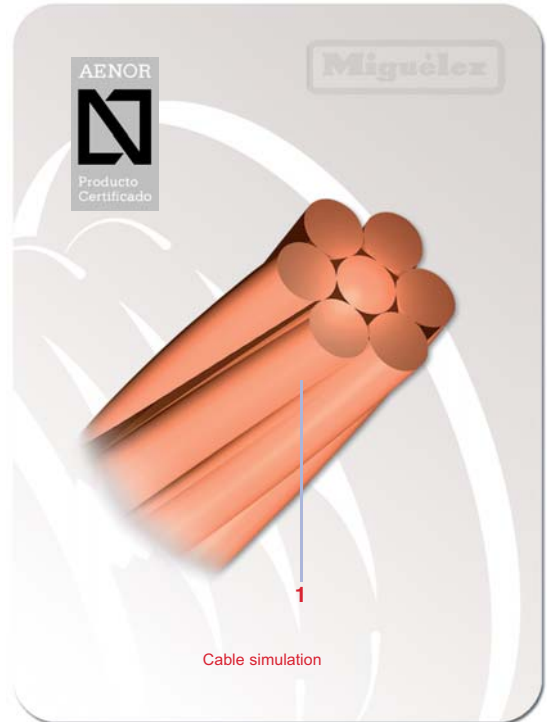


Definition

Technical definition:Copper cable for ground networks

Constructive description:

- 1 Stranded electrolytic copper conductor class 2 according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.



Applications

Type of installation:GROUND

Ground wiring is a required action in industrial and domestic applications, such as operation of production systems, transport and distribution of electrical energy. The most important reasons by which a correct installation of ground wiring must be:

- 1.-To protect people from electrocution.
- 2.-To balance potentials between the components of a same electrical system.
- 3.-To reduce the difference of potential between ground and the structures that can accumulate static electricity.
- 4.-Enable safe way to ground against currents produced by atmospheric unloadings and rays.
- 5.-Enable connection of low impedance between the parts of an electrical system, in order to coordinate the protection apparatuses.
- 6.-To minimize communication systems interferences.

Suitable methods of installation:

Conductors Terranax must be united to steel electrodes with an electrolytic copper bath using an aluminium-thermal weld. Its installation is approved by NTE I (Ministry of Industry of Spain).

Functional characteristics

A) Resists underground corrosion:

originated by the frontal attack metals suffer, when they stand under corrosive agents of the land. It is an inherent quality to copper, a copper oxide surface, created in the superficial layer by the oxidation, features insulator avoiding corrosion penetration.




B) Easy installation:

Cables Terranax are constructed with electrolytic copper formations, strand class 2 according to UNE 21022. They are provided in rolls with a coiled nucleus of sobredetermine the proportions winding to avoid his deformation and enables an easy installation.



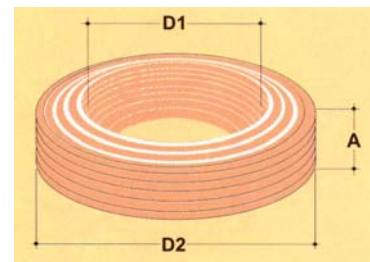


Dimensional characteristics

Code	Nominal cross section	FORMATION Wire Number	Conductor diameter	Weight	Max. Electrical resistance 20°C
	mm ²	n°	mm	Kg/Km	Ohm/Km
TERRANAX					
84401	16	7	5	135,3	1,15
84402	25	7	5,9	212,3	0,727
84403	35	7	7,1	296,3	0,524
84404	50	19	8,5	402,4	0,387
84405	70	19	10,8	569,1	0,268
84406	95	19	12,5	836	0,193
84407	120	37	14,0	1036	0,153
84408	150	37	15,8	1200	0,124
84409	185	38	17,5	1600	0,0991
84410	240	61	19,5	2069	0,0754

Presentation

Retractable coils				
Conductor size mm ² .	Coil weight Kg.	D1 Inner diameter mm.	D2 Outer diameter mm.	A Height mm.
16	50	540	610	150
25	50	540	610	150
35	50	540	620	150
35	100	540	690	150
50	50	540	620	150
50	100	540	690	150



Wood drums						
D1 Outer diameter mm.	D2 Nucleus diameter mm.	D3 Axis diameter mm.	L1 outside wide mm.	L2 useful wide mm.	Drum tare kg.	Copper weight kg.
1200	600	82	730	640	80	1200
1000	500	82	600	510	50	700
800	420	82	500	420	27	400

