

# KABZUN2X6P Cable

- **Nominal voltage:**  $U_0 / U = 0,6 / 1kV$ .
- **Maximum voltage:** 1,8 kV D.C. also to earth
- **Standards:** CEI20-13, 20-11, 20-29, 20-22II, 20-37/2-1; EN/IEC60332-1.
- **European directives:** L.V.D.2006/95/EC-2011/65 / EC (RoHS).
- **Conductor:** annealed copper, stranded or flexible.
- **Insulation:** hard-ethylene propylene rubber (HEPR) compound, of type KABZUN2X6P, with reduced emission of halogen (corrosive gases) under fire conditions.
- **Color of the cores:**  
Two cores : blue brown.
- **Sheath:** PVC of type Rz with reduced emission of halogen (corrosive gases) under fire conditions. Resistance to UV exposure, measured according to the CENELEC standard HD605, for a sure outside non-protected to sunlight installation.  
Color: light grey.
- **Marking:** continuous marking on the sheath: SC (cable designation and cross nominal section) CEI20-22 III  
production date, Made in EU , with under the sheath the SC thread.  
Progressive meter marking.
- **Maximum operating temperature:** 90°C on the conductor.
- **Maximum short circuit temperature:** 250°C on the conductor (for maximum 5 seconds).
- **Minimum permissible bend:** 4 times the cable over all diameter for power cables
- **Maximum pulling force during laying:** 5kg/mm of the conductor cross-section.
- **Current carrying capacity:** see CEI-UNEL35024, 35026.
- **Guide to Use:** for internal installations, also in wet locations and for external installations; for installation in surface mounted or on metallic structures; direct laying in earth permitted.  
See also the guide to use standard CEI20-67.  
These cables are to be used only for electrical power transmission and to be installed only by skilled personal.



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The **KABZUN2X6P mark** highlights arrangement of electric rubber cable resistant to fire propagation, only suitable for fixed installations, with the CE mark overall product range.

The **KABZUN2X6P cables** belong to the SC cable line and are marked "**CEI20-22II**", so to point out that they are "**resistant to fire propagation**": this means that they conform to the requirement of self-extinguishing set down in the standard CEI20-22/2 (test of resistance to propagation of fire), having passed with success the burning test. The test has been carried out on a bunch of cables with at least 10 kg/m of nonmetallic material.

The **KABZUN2X6P cables** are also "**flame retardant on a single vertical cable test**" according to the test EN and IEC60332-1.

Furthermore, to prevent additional risks coming from the toxic substances emitted during the combustion by the plastic material, the **KABZUN2X6P** cables are manufactured with special compounds "**with reduced emission of corrosive gases**", less than 18% in terms of hydrochloric acid, according to the standard **CEI20-37/0; 20-37/2-0 (EN50267-1) and 20-37/2-1 (EN50267-2-1)**.

In the SIQ laboratories the **KABZUN2X6P** cables have passed with full success the UV resistant test (not required by the product standard) according to the CENELEC standard HD605, so to have a good performance in respect of UV resistance in a non-protected external installation.

All the **KABZUN2X6P cables** belong to the ecological line named SC, marked on the documentation and on the packaging, by the symbol of the green tree. In these ecological cables the **lead** has been eliminated, a heavy metal, that is dangerous, for the environment and for humans, if present in high quantity. The use of the **KABZUN2X6P** cables is recommended also in installations with danger of explosion or of fire spread, as in thermal and electrical power plants, chemical and petro-chemical plants, steel plants, fuels distribution plants, etc...

The cables contained in this brochure do not need the RoHS conformity declaration as they fall out of the scope of the directive. These cables may be used with electric / electronic equipment that are called up by the directive as they satisfy the RoHS requirements.

Number and nominal cross-sectional area of conductors mm <sup>2</sup>	Maximum diameter of conductor wires mm	Thickness of insulation specified value mm	Indicative core diameter Mm	Thickness of the sheath specified value mm	Maximum overall diameter mm	Indicative cable weight g/m	Maximum resistance of conductors at 20°C ohm/km
<b>KABZUN2X6P-0,6/1 kV</b>							
2 x 6	0,31	0,7	4,4	1,8	15,4	310	3,30

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