

Lapp Application Report

Lapp raises a glass to Cambodia



LAPP GROUP

Brewing Beer in Cambodia – with Lapp Cables



The customer

Since its foundation in 1852, over the years ZIEMANN has developed to become one of the leading technological global players. From copper to stainless steel and from manually operated brewing houses to fully automatic breweries, the techniques and technology used in brewing plants have developed at an astounding speed as the decades have passed. Today, as it was then, ZIEMANN is a pioneer in these developments. The best example of this is in Piedras Negras, Mexico, currently the location of the world's largest brewery – designed and built by ZIEMANN. Just as it always

was, ZIEMANN remains an independent company, and is based in Ludwigsburg. Around 1,300 employees all around the world develop a wide range of innovations for optimising brewing techniques, thus setting new standards for the industry. Whether for bespoke designs or the implementation of turnkey, expansion and optimisation projects, no matter what the size of the plant, ZIEMANN works together with its clients, accompanying them throughout the project with its almost 160 years of experience and know-how.

Requirements and advantages

PVC earth cables from Lapp are especially robust. The copper conductors are core insulated using PVC, the entire core connection is fixed using a bedding compound and then a PVC outer sheath is added. This power and control cable can be securely laid inside and outside the unit and in soil, concrete or even water. Its high availability is also an important selling point, and Lapp offers client support in handling exports.

Products used

PVC earth cable (NYY-J/NYY-O)

The application

The Ludwigsburg-based ZIEMANN GROUP is building a new brewery in Phnom Penh (Cambodia) for the Chip Mong Group. The Khmer Brewery should be ready to hand over to the client in summer 2011 and be able to produce 500,000 hectolitres of beer per year. The mash filter has an output of 14 brews per day. The contract also includes a cold block, processing technology, automation and the entire filling plant for bottles and cans. A further building phase is planned for an output of 1-2 million hectolitres per year.

The Lapp Kabel solution

Lapp provides the earth cables for the brewery. The cables alone weigh around

42 tonnes and will be used to supply power to the different functional sections of the brewery, such as the water treatment, mill room, brew house, cellar, cold block (where the beer is fermented and matured), steam boiler house, filling plant and CO₂ recovery system.

Because the PVC earth cables (NYY-J/NYY-O) are used to supply power to the central switch points in each section, they have an extra-thick cross-section of up to four centimetres.

The earth cables needed to be delivered directly to Cambodia for the construction of the brewery – in spite of the large volume, this was no problem for Lapp. The order was processed by Lapp's KiAA client-specific order processing depart-

ment. The client provided Lapp with one 20-foot and two 40-foot containers, which were then loaded up professionally. The client also generated the necessary export documents themselves, while KiAA generated the required packing list with all the consignment data for transportation and the item-specific customs tariff numbers and preference codes for the export documents. A customs inspection also took place at Lapp in the presence of a member of KiAA staff. With everything taken care of by Lapp in this way, the transportation was processed without the client having to worry about anything.