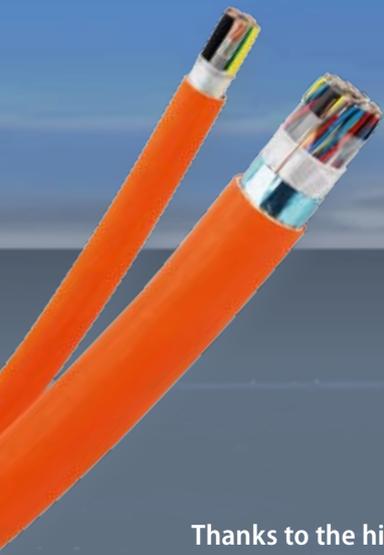


LEONI *projectreport*

Safety technology 3/2006



Thanks to the high quality standard, BETAflam® Safety Cables are adopted worldwide and increasingly in the Middle East projects.

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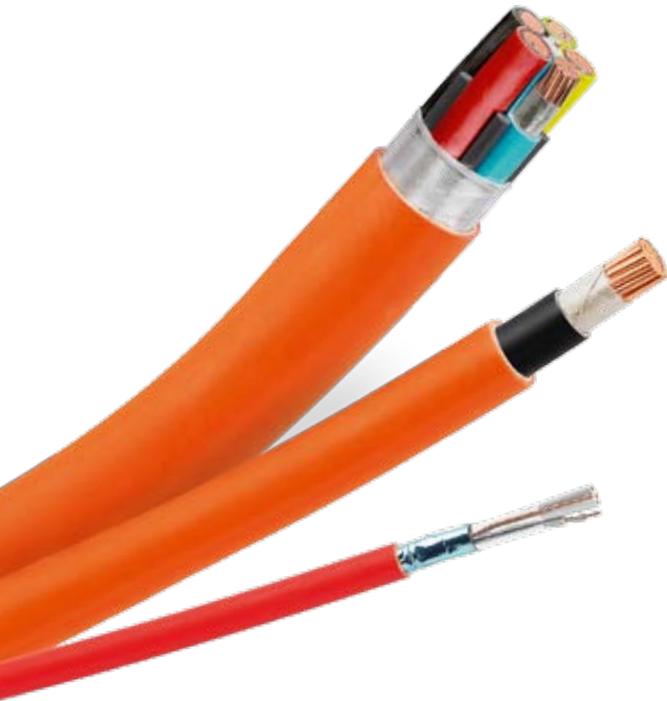


AL HAMRA Tower, Kuwait

Safety as top priority with BETAflam® FR-MI cable from LEONI

On the planned completion of spring 2010, AL HAMRA Tower with its 412 m, will be the tallest building in Kuwait and a new landmark dominating its skyline.

The prominent and slim 77 floor tower will provide 98'000 m² of generous business premises and offices. The huge construction contains a shopping mall spread out over 5 floors and a multiplex cinema with nine auditoriums. The cost of the entire building amounts to approx USD 950 million.



BETAflam® Safety Cables...

... manufactured according to international standards and regulations, fulfill the most demanding quality requirements. In AL HAMRA Tower, flame retardant and fire resistant BETAflam® Cables, tested in accordance with BS 6387 and certified by LPCB were installed.

The 3 hours fire-resistant cables type BETAflam® FR-MI 110 SWA (steel wire armoured) with a core diameter of up to 300 mm² and an operating temperature of 110 °C were used in the tower for safety-relevant installations such as emergency power supply.

The halogen free BETAflam® Safety Cable is particularly convincing due to its very low gas emissions and extremely high resistance to fire, thus maintaining circuit integrity if the worst happens. The product, therefore, is suitable for cable laying in buildings with safety-relevant equipments such as smoke detectors, emergency exit lighting, smoke extraction systems and fire extinguishing equipment. Even the elevators reliable functioning is secured through BETAflam® Safety Cables.



The AL HAMRA Tower, a new landmark in Kuwait.

The silicon and halogen-free BETAflam® FR-MI 110 Cable fulfills the highest demands for safety cables, including the ability of continuous function according to BS 6387; that ensures the safe evacuation of a tower in case of fire.

Most convincing arguments for the use of BETAflam® Safety Cables in this prestigious landmark, was the tested quality combined with the excellent price/performance ratio.