



IMMOBILIARE NUOVA SEDE

**COSTRUZIONE DELLA NUOVA SEDE DELLA CASSA DI
RISPARMIO DI FIRENZE – AUTORIMESSA PUBBLICA**

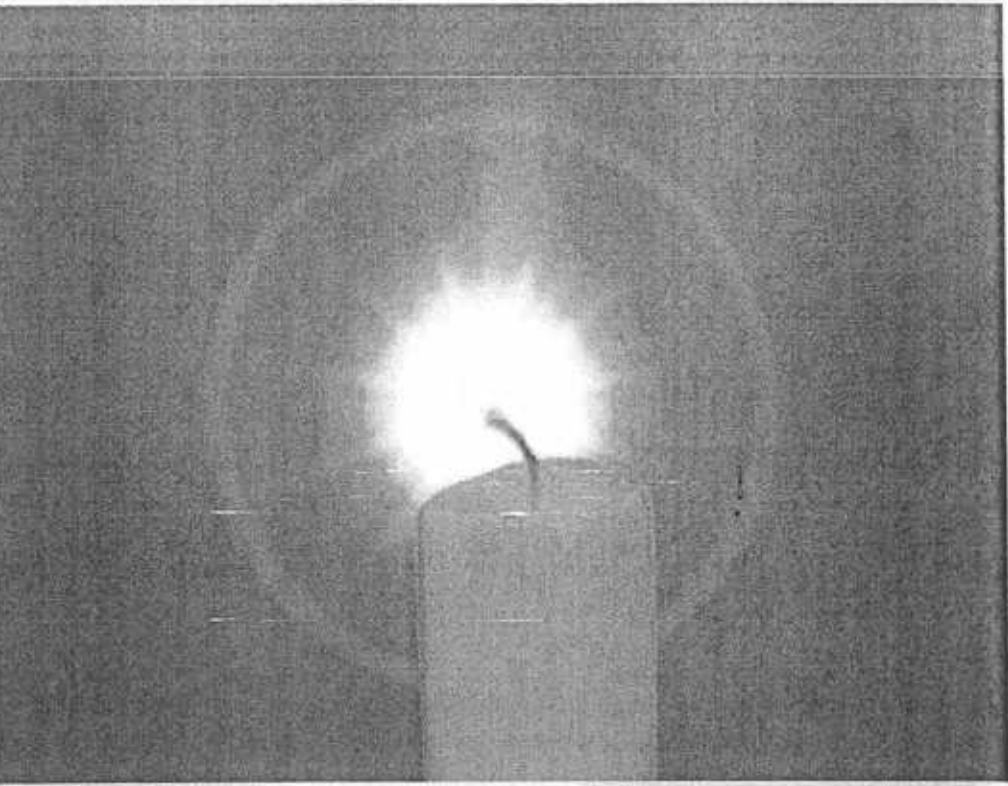
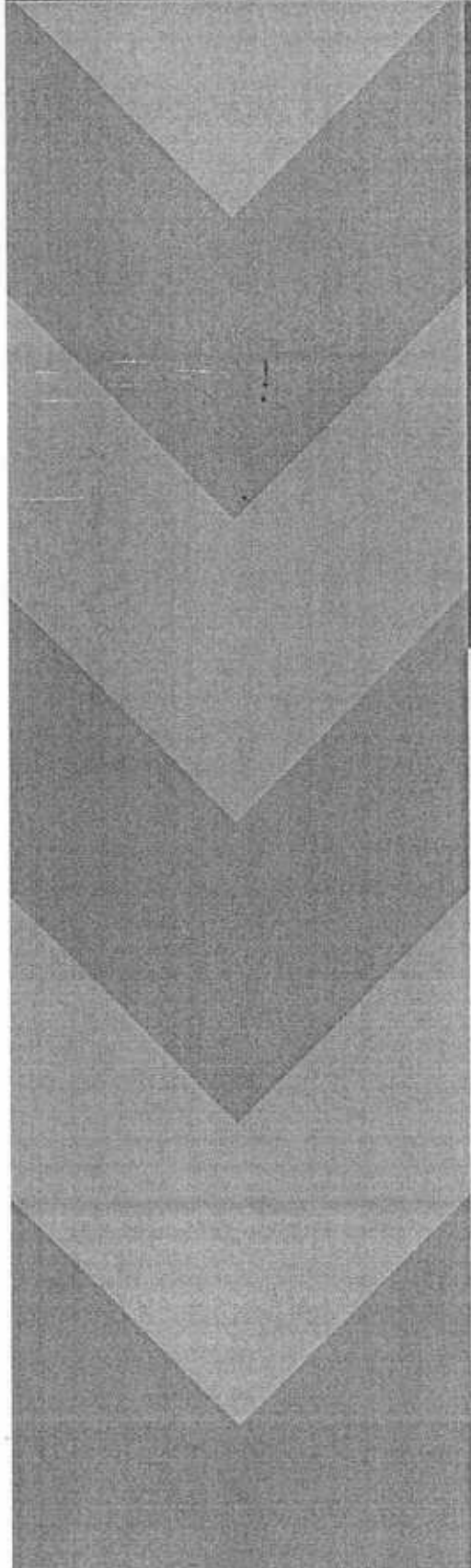
IMPIANTI ELETTRICI – TERMOMECCANICI E ANTINCENDIO

SPECIFICHE MATERIALE N°09

Descrizione:

Cavi marca Pirelli - Prysmian

PDF Reducer Demo



Low Voltage Systems

System Solution and Innovation

Prysmian is one of the worldwide leading players in the energy cable systems market, thanks to its innovative technological approach and to its capability in maintaining cost leadership, together with a strong commitment to Research and Development.

Extensive research has been conducted by Prysmian to provide solutions, which fully meet customers' requirements, with a strong focus on the development of competitive and reliable

power distribution systems.

Prysmian dominates the technology scenario in all phases of power circuits development: engineering, design, production, installation and maintenance. Even for Low Voltage cable systems, Prysmian devotes its efforts and investments to innovation to fully benefit from the general system economy. Major Utilities are currently installing Prysmian power distribution solutions and exploiting their benefits.

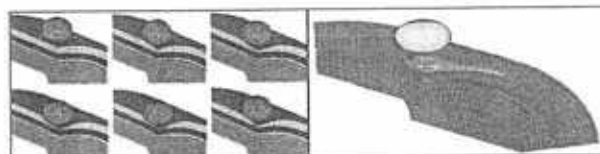
> AIR BAG™ Cable System



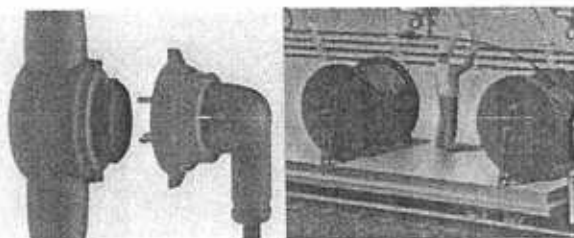
Prysmian has patented an innovative polymeric mechanical protection for cables, which, extended to accessories and installation aspects, has resulted into a new full system approach.

This fully polymeric protection employed in the Air Bag™ cables absorbs impacts and reduces the risk of permanent deformations and damage to the sensitive underlying cable layers. Generally, Air Bag™ cable designs have reduced weights and dimensions, compared to armoured cables. This provides for significant economic advantages in terms of total system cost, allowing easier handling.

Another key advantage of the Air Bag™ Cable System is related to installation: Air Bag™ perfectly combines the new technologies applied to cables and accessories to exploit its innovative installation solutions at their best. Air Bag™ Cable Systems can be installed in simplified compact trenches with no need for sand, backfill selection and/or special external protections like tiles and pipes, thanks to its superior mechanical properties.



> Flexo Modular Power Systems



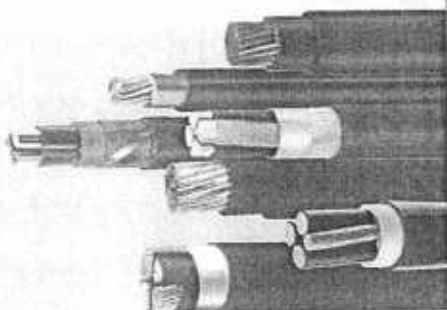
Flexo Modular Power Systems offer an innovative, plug-together installation solution for power cable circuits, removing most of the traditional on-site installation requirements. This is achieved by carrying out most of the connection work in advance, in a quality controlled factory environment, allowing a fully tested, pre-fabricated system to be supplied to site.

System installation is extremely simple, fast and cost effective. The plug leads can be connected to the lights prior to them being secured. The main cable system, with integrated sockets is supplied on standard drums, which can then be installed as simply as a cable. When installed, the sockets align with the light fittings and connection is made by a simple plug-in action.

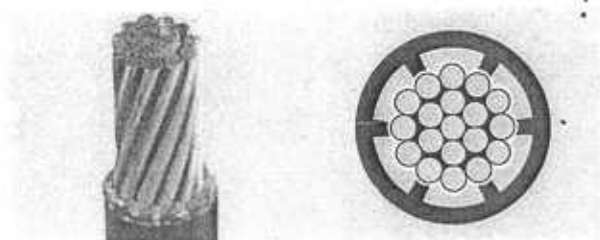
Flexo Modular Power Systems use high quality, specialist connectors, designed to withstand extreme environmental conditions. These systems have been subjected to rigorous testing and have been type approved to the most stringent international standards.

Flexo Modular Power Systems combine Prysmian expertise in the design of power cables and accessories. Our specialist engineers work with customers to design systems tailored to each specific application. Continuous support is provided from design right through to installation.

YOUR ENERGY... OUR SYSTEMS... ANYWHERE



> SUPERSEAL™



Superseal™ is an innovative cable design - developed by Prysmian's R&D laboratories - which offers the ultimate in mechanical protection for direct-buried Low Voltage applications.

The Superseal™ cable uses a patented self-repairing technology, which quickly repairs any damage to the insulation and prevents moisture from penetrating into the cut and coming in contact with the conductor. The healing process begins within minutes of the damage, stopping corrosion - which may result in cable failure - and allowing for normal cable operation to be restored. Extensive testing measuring both leakage current and corrosion has been completed at Prysmian and outside laboratories. The tests prove that the self-repairing process is effective for both radial and longitudinal cuts.

Most installations of cable in conduit require a two-phase operation (conduit installation and cable pulling). With Superseal™, the extra cost of labour and conduit is eliminated while providing greater protection, with resulting savings up to 20%. Moreover, Superseal™ cables do not require special connectors, tools, reels or handling for their installation.

Superseal™ eliminates the concern of failure due to installation damage and ensures protection during operations, thus saving unnecessary replacement costs.

> how it works

