

ecni Kabe





TRANSPORTATION

OIL / GAS & PETROCHEMICALS

supervisory control and

data acquisition.

- **TELECOMMUNICATION**
- OPTICAL
- **AUTOMATION**
- **BUILDING TECHNOLOGY SUBMARINE**
- 8 **AUDIOVIDEO**
- NAVAL

0

GREEN ENERGY

OUALITY SYSTEM

Since 1978, constant commitment to Quality has awarded Tecnikabel approval from American and European Authorities, complying with the most demanding international manufacturing and quality standards.









































• IEC 60754-1 / EN 50267-2-1/2:

Test on gases evolved during combustion of materials from cables - Determination of the halogen acid gas content

• IEC 60754-2 / EN 50267-2-2:

Test on gases evolved during combustion of materials from cables - Determination of acidity (by pH measurement) and conductivity



CONSTRUCTION PRODUCTS REGULATION

Regulation No. 305/2011 (Construction Products Regulation, or CPR) of the European Parliament and of the European Council is a regulation of 9 March 2011 that lays down harmonised conditions for the marketing of construction products and replaces Construction Products Directive (89/106/EEC). The EU regulation is designed to simplify and clarify the existing framework for the placing on the EU market of construction products.

The main objective of the CPR is the removal of technical barriers to trade in order to guarantee the free movement of construction products within the common internal market due to differing product and test standards, approval processes and conformity documents in the various member states.

After the transition period, which ended on 1 July 2017, the Construction Products Regulation governs cables intended to be incorporated in construction works (permanent installations) in both buildings and civil engineering.

CPR Euroclasses are: Aca, B1ca, B2ca, Cca, Dca, Eca, Fca.















HIGH PERFORMANCE

LOW PERFORMANCE



Video surveillance for people security has become a key issue for the Mass Urban Transit sector and Rolling Stock operators. fibre optical and copper cables.

Intense investments in enhanced CCTV networks comprises monitoring lines, tunnels, stations and wagons and is supported by cables with enhanced fireperformance and LSZH characteristics. Our wide range of customised hybrid copper/fiber cables ensure the highest possible level of public safety. To meet security concerns of tunnels and urban metro systems, we also produce metallic armoured and dielectric fire-resistant

SECURITY VIDEO SURVEILLANCE



Advanced train control telecommunications comprise a wide range of systems, such as Broadband Radiometers, Automatic Number Plate Recognition, Time Distribution, Panel Information, Access Control, Public Announcement and TN/ECB. Our high technology range of fiber optical, multi-pair telephone and data-transmission cables serve backbone, Wi-Fi and GSM-R communication solutions. All cables are engineered to meet the most stringent security standards for tunnel, urban metro, long distance supervision, and communication systems. The enhanced performance of our fire-resistant cables ensures the continuous flow of data during emergencies, and critical operational conditions.

TELECOMMUNICATION SYSTEM



CONTROL ROOM

Advanced Railway Traffic Automation Management & Information Systems automatically detect conflict and propose operational solutions. All cables for public areas and tunnels are Low Fire Hazard and ensure low toxicity and minimal smoke to enhance survival, fire-fighting and

Nowadays, innovative CBTC systems accurately indicate the exact train position of a train compared to traditional signalling systems. Communication, data-transmission and optical fiber / copper cables support this safe efficient way to manage railway traffic.

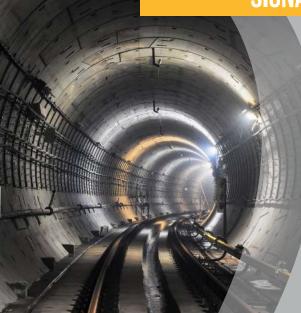
MERGENCY SYSTEM & PUBBLIC ANNOUNCEMENT





Our copper, fiber optical and hybrid cables are installed worldwide for metro and station fare collection systems. Multimodal collection, ticketing validation equipment, integrated car park, contactless card and smart phone payments all work together to make passenger movement quick and easy.

SIGNALLING SYSTEM



Whether refurbishing legacy systems, increasing passenger and freight network capacity, or planning and building future networks, Tecnikabel supports operators with cuttingedge cables capable of withstanding extreme conditions, temperatures, humidity, oil and ultraviolet light. Our products ensure smooth and safe train movements for both the common European standard ETCS signalling system, or abroad, where signalling systems are customised under national standards. Tecnikabel cables can manage traditional signalling switches, route and street-level signals, level crossings and other network elements, together with modern traffic management and infrastructure Communication-Based Train control (CBTC) with its control, axle counter and EMC balise cables.

PASSENGER INFORMATION SYSTEM



Passenger Information Systems supply real time on-board and on-platform communication and connectivity solutions. Despite increased traffic loads, our LAN, copper and fiber optical cables support visual, audio, CCTV, and data management systems to provide passengers with accurate punctual information.

ROLLING STOCK



Train manufacturers are increasingly concerned about safety and comfort at high speeds. Our end-to-end Cat. 7A Jumper cable is the innovative plug-in solution for on-board train communication, connecting the entire train through a Snap and Pull safe-release connector and offering connectivity to the PIS with real-time on board information and in-motion wireless connectivity. Train and diagnostic system management preserves the connection between coaches from unattended or emergency operated disengagement. Connectivity performance is guaranteed under the ISO/IEC 11801FA standard and highly resistant to extreme dynamic travel conditions, exposure to extreme temperatures, oils and aggressive chemical substances. Tecnikabel products also operate HVAC, sliding door and braking systems as well as power supply, lighting, and other minor applications.

Public Address Systems are intended to provide

situational, security and emergency communications on

passengers with address voice announcement of routine,

The PAS transmission is based on dedicated networks

with several interface options to other systems like Fire

Alarm, Access Control, Global Positioning and Passenger

Guaranteeing service continuity during fire is a key

characteristic of our cables: fire-resistance ensure system

integrity and the low emission of corrosive toxic gases

create a safer environment for people. These cables can

also provide low-voltage energy for alarms and smoke

the stations and in concourses.

Information's.

evacuation signals.



HEADQUARTER

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