INTRODUCTION

Tecnikabel manufactures a comprehensive range of power, signalling and telecommunication cables specifically engineered for the Urban Mass Transit sector. Besides traditional communication, data cable and optical fiber/copper cables for metropolitan area networks, we customise our engineering for the most innovative and modern railway systems.

Countries are investing heavily in either modern metro and railway lines, or light rail, tramways and intermodal solutions, involving punctual trains, accurate real-time information, easy ticketing and wireless connectivity both in station and in motion. These complex networks demand high safety standards, improved fire-performance in tunnels, stations and public areas, intense Signalling and LAN infrastructures for supervisory control and data acquisition.

PRODUCT LINES

- TRANSPORTATION
- OIL / GAS & PETROCHEMICALS
- TELECOMMUNICATION
- OPTICAL
- AUTOMATION
- BUILDING TECHNOLOGY
- SUBMARINE
- AUDIOVIDEO
- NAVAL
- GREEN ENERGY

QUALITY 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.
FIRE PERFORMANCE

- **IEC 60332-1-2 / EN 50265:**
  Fire propagation on a vertical single cable

- **IEC 60332-3 / EN 50266 / EN 50305 9.1:**
  Fire propagation on a vertical cables bundle

- **IEC 60331 / EN 50200 / EN 50362:**
  Fire test resistance

- **IEC 61034-1/2 / EN 50268-1/2:**
  Measurement of smoke density of cables burning under defined conditions

- **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.

Aca  B1ca  B2ca  Cca  Dca  Eca  Fca

HIGH PERFORMANCE  LOW PERFORMANCE
TICKET VALIDATION and FARE COLLECTION

security video surveillance

Our copper, fibre optical and hybrid cables are designed specifically for use in rolling stock systems. These cables are used for power supply, lighting, and other minor applications. Tecnikabel products are also resistant to aggressive chemical substances. The enhanced performance of our fire-resistant cables ensures the continuous flow of data and communication systems. The enhanced performance of our fire-resistant cables ensures the continuous flow of data and communication systems.

TELECOMMUNICATION SYSTEM

Based Train control (CBTC) with its control, axle counter and traffic management and infrastructure Communication-crossings and other network elements, together with modern signalling switches, route and street-level signals, level crossings, and operational solutions. All cables for public, contactless card and smart phone validation equipment, integrated car panel Information, Access Control, Public Announcement, Automatic Number Plate Recognition, Time Distribution, Management & Information Systems, Panel Information, Access Control, Public Announcement, Management & Information Systems.

SECURITY VIDEO SURVEILLANCE

Advanced Hybrid Traffic Management & Information Systems: seamlessly detect conflict and anti-collision protection. All cables for data, voice, video, and networks are low smoke and toxic-free. Our fire-resistant cables support this and offer a clear and easy way to manage railway traffic.

CONTROL ROOM

We offer copper, fibre optical and hybrid cables for use in rolling stock systems. These cables are used for power supply, lighting, and other minor applications. Tecnikabel products are also resistant to aggressive chemical substances. The enhanced performance of our fire-resistant cables ensures the continuous flow of data and communication systems. The enhanced performance of our fire-resistant cables ensures the continuous flow of data and communication systems. The enhanced performance of our fire-resistant cables ensures the continuous flow of data and communication systems.

EMERGENCY SYSTEM & PUBLIC ANNOUNCEMENT

Public Address Systems are intended to provide passengers with quick and accurate voice announcements ofapikey, structural, security and emergency communications at all stations and concourses.

ROLLING STOCK

Public Address Systems are intended to provide passengers with quick and accurate voice announcements of emergency and security communications at all stations and concourses. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication. Emergency and passenger information systems are also protected by a fire barrier. The PAS transmission is based on dedicated networks with high reliability of fail-safe two-way communication.
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