

Applications in the railway industry



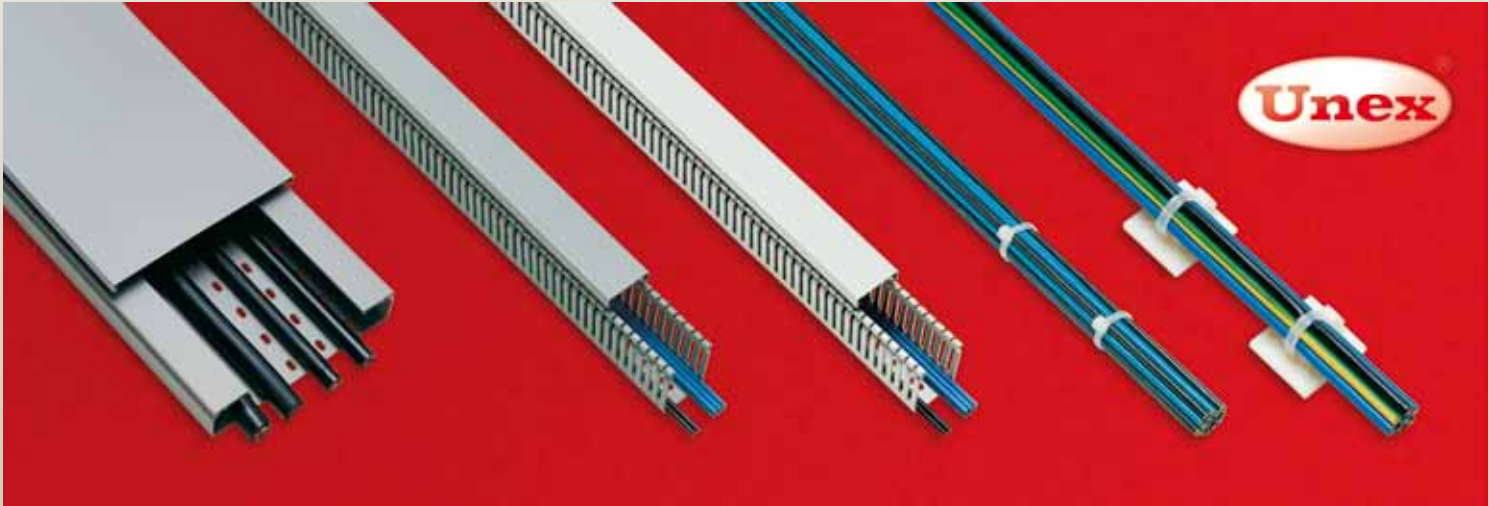
Research as standard



www.unex.net/railway

Research as Standard

As a specialist manufacturer of cable conduction systems, Unex offers adequate solutions for all market demands. High quality products, complying with the most prestigious quality marks and approvals.



Certified products (See technical data: www.unex.net)



Applications and solutions

Cabinets for control, navigation, signalling, communication, air conditioning

Slotted trunkings for cabinets

77 in **U23X**

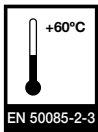
88 in **U42X** halogen free

Slotted trunkings with the best results on flammability and fumes.

Thanks to our own development of raw materials, we have been able to achieve significant results on tests demanded by the most stringent international standards: NFPA (USA), BS (UK), NF (France), DIN (Germany), and other.

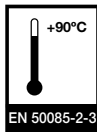


Service temperature



EN 50085-2-3

U23X



EN 50085-2-3

U42X

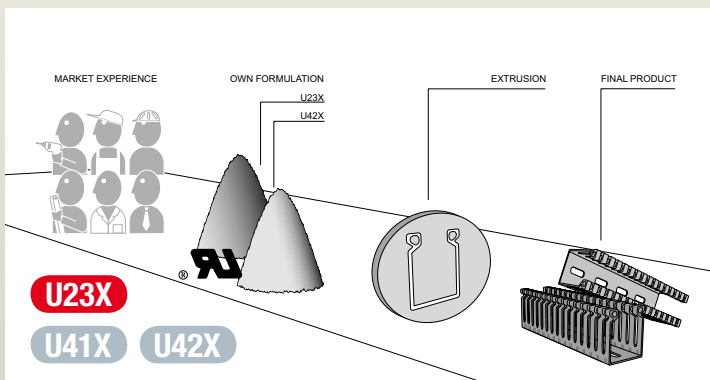


Specialist manufacturer

Controlling the whole process -from design to distribution- permits us to offer the most performing features regarding safety, functionality and durability.

Own raw materials

Due to our own formulation, our products provide enhanced properties compared to standard ones.



Own design

The influence on design enables us to adapt our products to different markets and applications in order to successfully meet each requirement and assure the most reliable use.

Own manufacture

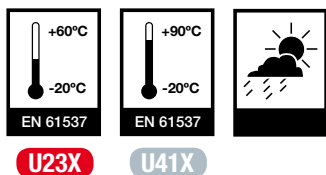
Our production capacity is guaranteed by our 2 manufacturing plants in Madrid and Barcelona. Made in Europe, state-of-the-art technology!

Energy supply, signalling

Insulating cable trays **66**

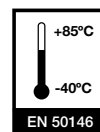
in **U23X**
in **U41X** halogen free

Insulating cable trays according to IEC 61537. Excellent performance in front of the UVs and the elements. Resistant to corrosion and to chemical agents.

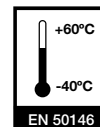


Cable fastening

Cable ties **22** for indoor and outdoor installations



Fixing elements **26** in **PA 6.6** for indoor wiring



References



The main global players in the railway field have chosen Unex products to help them fulfill the most demanding specifications in a reliable and efficient way.

Spain

Underground South-Madrid
CIVIA suburban trains for RENFE
ADR trains for RENFE
ATPRD-AVE high speed trains for RENFE
Underground Barcelona
Tramway Valencia
Tramway Alicante

France

Signalling cabinets for infrastructures
Tramway Marseille

Portugal

Underground Lisbon
Tramway Porto

Germany

Underground Nürnberg DT3-F
Underground München
Cabinets and High Voltage Boxes for "Combino" tramways
Suburban trainsets type 422
Suburban train Augsburg
Locomotives Mannheim
Tramway Köln
Tramway Krefeld

Austria

Regional trains Wien
Double-deck trains for ÖBB
Underground Wien (U6)
Tramway Linz
Tramway Innsbruck

Belgium

Signalling cabinets for SNCB
Tramway Brussels
Locomotives HLE18 and HLE19 for SNCB

Italy

Underground Milano
Underground Rome
Tramway Palermo
Railway equipment Bari

Switzerland

Tramway Geneva

United Kingdom and Ireland

Heathrow Express London
Northern Spirit trains
Locomotives type DMU 2900
Diesel trains type NIR
Regional trains Manchester

Scandinavia

Underground Oslo (Norway)
Tramway Stockolm (Sweden)
Propulsion and control cabinets Västeras (Sweden)

Russia

Cabinets for underground network (Moscow)
High speed trains St. Petersburg-Helsinki

Turkey

Underground Istanbul
Tramway Eskeshir

USA and Canada

Tramway Sacramento 2 Series LRV
Tramway Pittsburgh 2 Series LRV
Underground Washington Series 5000

Australia

Underground Melbourne

Morocco

Trains Casablanca

Asia

Underground Kaoshiung (Taiwan)
Regional railway Shanghai Pearl Line II (China)
Underground Xinmin (China)
Underground Bangkok (Tailand)
Tramway Guangzhou (China)

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