

# FIRECon®belts

**MULTI-PLIES CONVEYOR BELTS  
FOR SURFACE APPLICATIONS**



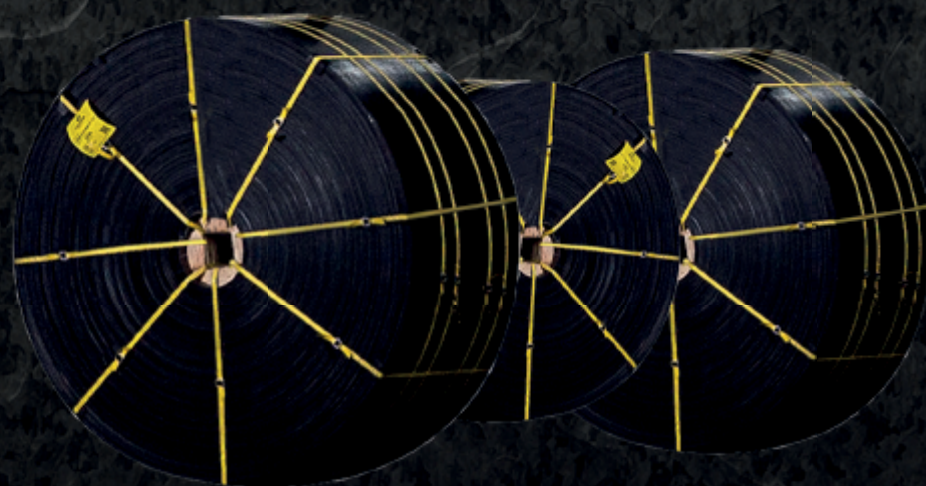
**Conbelts**



The **FIRECon®belts** series of conveyor belts represents multi-ply products with cloth carcasses and provided with covers and edge coating made of rubber or a polymeric material. Such belts are dedicated for transportation of bulk, chopped, pelletized and unit pieces of materials on flat or trough-shaped runner assemblies of conveyers installed on earth surface. The design structure of belts meets requirements of the PN-EN ISO 14890 standard.

The **FIRECon®belts** series of conveyor belts has been classified as compliant with requirements of electric and fire safety according to the PN-EN 12822 standard.

Engineering of the **FIRECon®belts** series of conveyor belts was based on identification of hazards that may occur during operation of conveyor belts on earth surface with preliminary definition of safety requirements to conveyor belts. Such approach of **Conbelts**, plc designers guarantees safety levels that are required for operation of belt conveyors.



General purpose conveyors belts classified to the '1' category of electric and fire safety

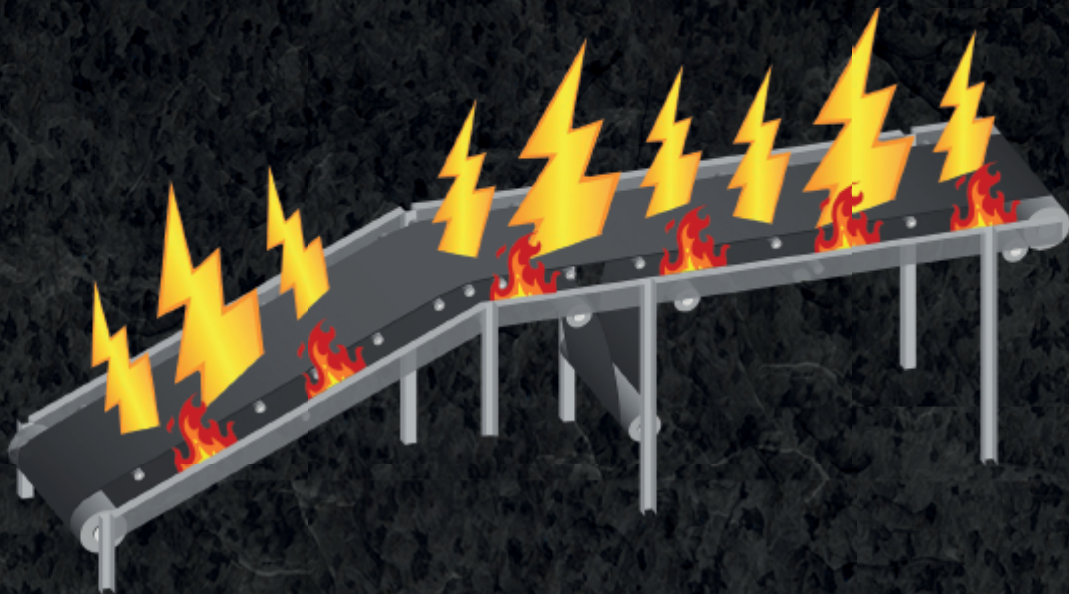
Risk is associated only with electrostatic discharges



Category 1 – conveyor belts for general applications with no risk to ignition of conveyed materials or adjacent areas due to electrostatic sparking. No protection against inflammation of belts.

## General purpose conveyors belts classified to the '2' category of electric and fire safety

Risk is associated with electrostatic discharges and from small open flames on the cover stock.



Category 2 – conveyor belts for general applications with no risk to propagation of fire in case of spontaneous ignition.

### Category 2A :

The required safety level is guaranteed for belts with undamaged covers.

### Category 2B :

The required safety level is guaranteed for belts regardless presence of possible defects.

## General purpose conveyors belts classified to the '3' category of electric and fire safety

Risk is associated with electrostatic discharges and from small open flames on the cover stock and local heating due to friction (belt stoppage with running drive)



Category 3 – conveyor belts for general applications with no risk to propagation of fire in case of spontaneous ignition due to friction against support structures or driving drums.

### Category 3A:

the required safety level is guaranteed for belts with undamaged covers.

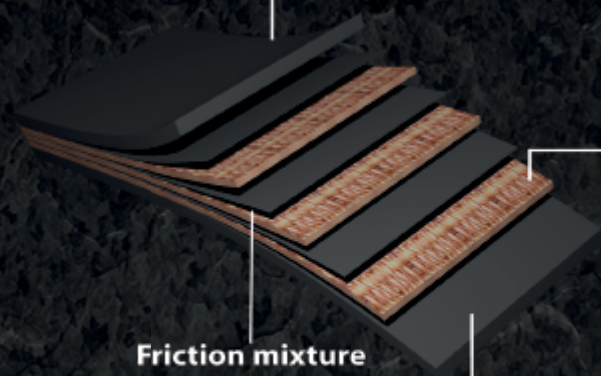
### Category 3B:

the required safety level is guaranteed for belts regardless presence of possible defects.

# Production mix of conveyor belts

The FIRECon®belts series of conveyor belts comprises general purpose multi-ply products with the number of plies from 2 to 5 and safety features that meet requirements of the electric and fire safety according to the PN-EN 12882 standard.

Mixture for covers  
(top /material side cover)



Interleaving ply  
(cloth)

Friction mixture  
(friction)

Mixture for covers  
(bottom /runner-side cover)

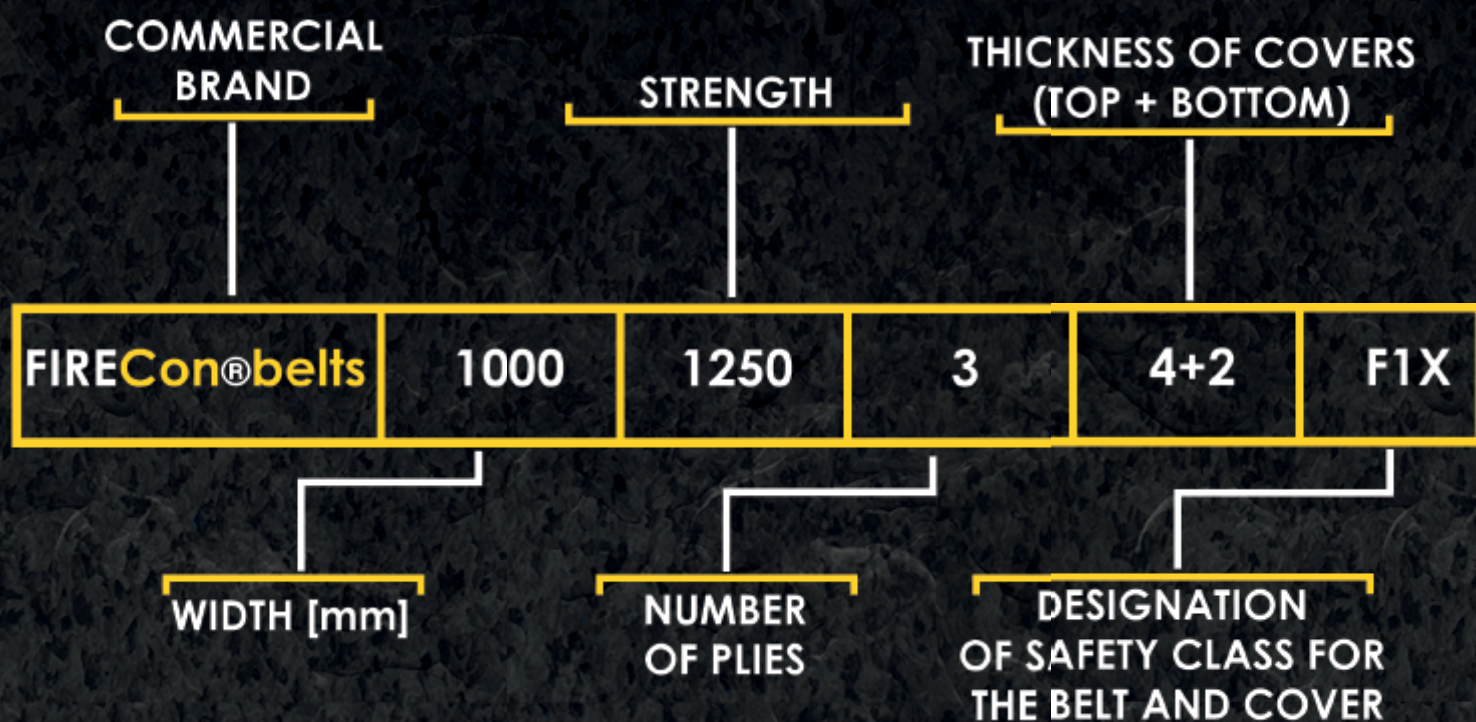


## Offered range of belt width [mm]



## Typical sections of belt length [m]





CLASS OF COVERS	SAFETY CLASS 1	SAFETY CLASS 2,3
NORMAL	YES	YES
WEAR RESISTANT	YES	YES

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