

# Light Conveyor Belts

## NSL-10ELBV



### Main industry segments

Distribution centers

### Applications

Acceleration belt, Decline belt, Feeder belt, Incline belt, Induction belt, Sorting belt

### Special features

High coefficient of friction surface



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Longitudinal groove structure
Conveying side property	Super-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET) fabric
Pulley side surface	Fabric
Pulley side color	Gray

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	Yes
Flammability	Classified according to UL 94HB (USA); HB= Horizontal Burning
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

# Light Conveyor Belts

## NSL-10ELBV



Technical data			
Thickness of belt	2.3	mm	0.09 inch
Mass of belt (belt weight)	2.5	kg/m <sup>2</sup>	0.512 lb/sqft
Min. operating temperature admissible (continuous)	-10	°C	14 °F
Max. operating temperature admissible (continuous)	60	°C	140 °F
Coefficient of friction (running side / steel driving pulley)	0.15	-	
Coefficient of friction (running side / driving pulley with friction cover)	0.35	-	
Coefficient of friction (running side / pickled steel slider bed)	0.25	-	
Coefficient of friction (running side / phenolic resin slider bed)	0.15	-	
Coefficient of friction (running side / stainless steel slider bed)	0.15	-	
Seamless manufacturing width	3000	mm	118 inch

### Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	30 1.18
Pulley diameter minimum with counter flecion	mm inch	40 1.57
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Nosebar suitable		No
Low noise applications		Yes
Metal detector suitable		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

# Light Conveyor Belts

## NSL-10ELBV



### Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

### Mode of use or conveyance

Horizontal, Inclined

### Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

### Recommendation

Do not go below initial elongation (epsilon)  $\sim 0.3\%$ , Install the slack belt and tension until running perfectly under the full belt load

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging.

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 94/9) and therefore is subject to user's analysis in the respective environment

Group	PVC Belts
Sub-Group	General Purpose Conveyor Belts
Item number	H100066903

### Disclaimer

#### Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice. EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.