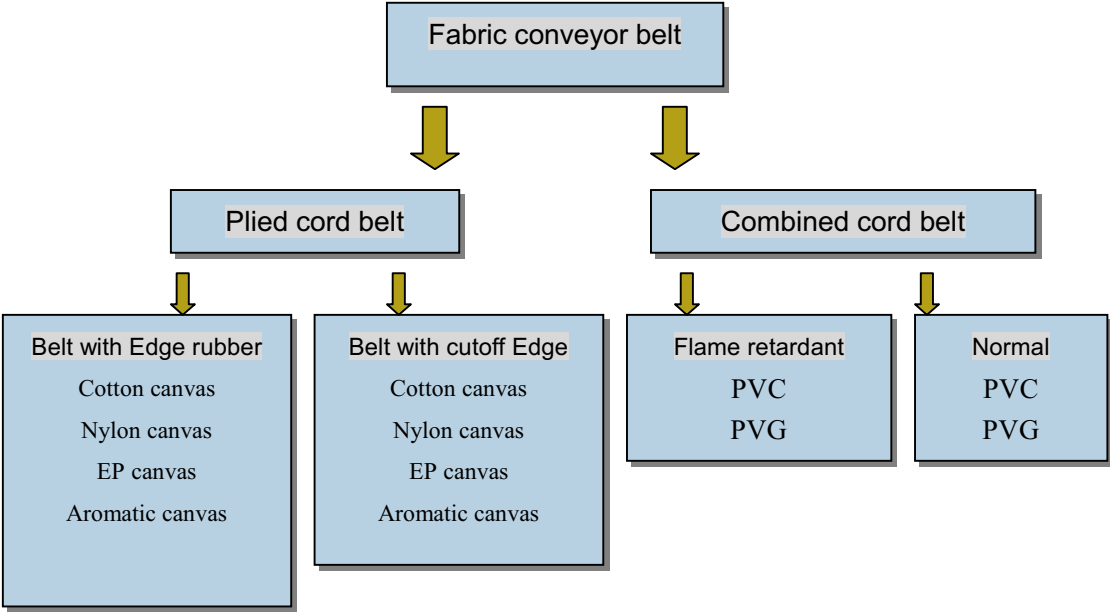


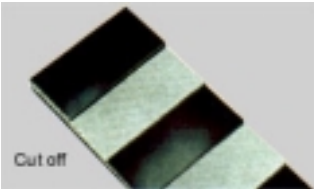
Fabric conveyor belt

Category

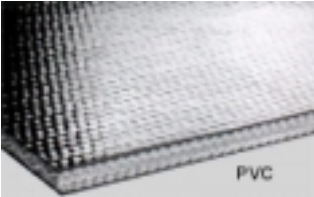
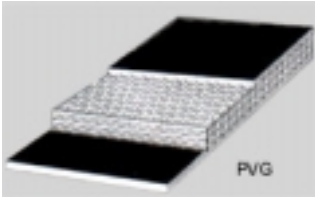


Structures

Plied cord



Combined cord



Features

Cotton canvas conveyor belt

This model is a traditional belt for medium length material feeding.

Nylon canvas conveyor belt

This model has cord made of nylon 6, or nylon 66. It has many good features as follows,

- Good flexibility,
- High strength,

- Impact resistance,
- Good elasticity,
- Good troughability,
- Less elongation,
- Ideal for application at medium & long distance, heavy load and high speed.

EP conveyor belt

This model has cord made of EP and DSEP, which has the following features,

- High module value,
- Less elongation,
- Good stability at high temperature,
- Impact resistance.
- Ideal choice for medium & long distance, heavy load and fast velocity.

Aromatic conveyor belt

- Light weight,
- High strength,
- Impact resistance,
- Less elongation,
- Good flexibility,
- Anti erosion,
- Ideal for long distance, heavy load and high speed transportation.

Combined cord belt

This model is mainly used in coal mine wells. Which has excellent features such as,

- Stripping resistance,
- Less elongation,
- Impact resistance,
- Rip resistance and suitable for mechanical joint.

Of which PVC is used for dry material with feeding angle less than 16°, while PVG is used for wet & watery material with feeding angle less than 20°.



Specification

Plied cord belt

Category	Fabric	Single ply strength N/mm	Top & bottom rubber thickness mm		Plies	Belt width mm	Length m/roll
			Top rubber	Bottom rubber			
Cotton Canvas	CC-56	56	3.0	1.5	3-12	300-2800	200
Nylon	NN100	100	4.5	3.0	2-10	300-2800	200
	NN125	125					
	NN150	150					
	NN200	200					
	NN250	250					
	NN300	300					
	NN400	400					
	NN500	500					
	NN 600	600					
EP	EP100	100	6.0	6.0	2-8	300-2800	200
	EP125	125					
	EP160	160					
	EP200	200					
	EP250	250					
	EP300	300					
	EP350	350					
	EP400	400					
	EP500	500					
	EP600	600					
Aromatic	AR1000	1000	6.0	6.0	1-2	800-1600	200
	AR1250	1250					
	AR1600	1600					
	AR2000	2000	8.0	6.0			
	AR2500	2500					
	AR3150	3150					

Note:

- Top & bottom rubber thickness, fabric plies and lengths can be customized by customer at time of order.
- EP is equivalent to PN and TN.

Combined cord belt

Category	Tensile strength mm		Elongation at break $\geq\%$		Belt width mm	Length/roll m
	longitudinal	cross	longitudinal	cross		
580s	580	245	15	18	650-1400	200
680s	680	265				
800s	800	280				
1000s	1000	300				
1250s	1250	350				
1400s	1400	350				
1600s	1600					
1800s	1800					
2000s	2000					
2240s	2240					
2500s	2500					

Calculation method of areas

Plied cord belt:

$$Area = width(m) \times \left[plies + \frac{top_rubber + bottom_rubber(mm)}{1.5mm} \right] \times length(m)$$

Combined cord belt:

To be calculated in natural area (m²)

Min. recommended diameter of pulley:

Plied cord belt:

Category	Fabric code	Plies of fabric											
		2	3	4	5	6	7	8	9	10	11	12	
		Diameter of pulley mm											
Cotton	CC-56		400	500	600	800	1000	1250	1250	1400	1600	1600	
Nylon	NN100	200	250	315	400	500	630	800	1000	1250			
	NN125	200	250	315	400	500	630	800	1000	1250			
	NN150	200	250	315	400	500	630	800	1000	1250			
	NN200	250	315	400	500	630	800	1000	1250	1400			
	NN250	315	400	500	630	800	1000	1250	1250	1400			
	NN300	400	500	630	800	1000	1250	1400	1400	1600			
	NN400	500	630	800	1000	1250	1400	1600	1600	1800			
	NN500	630	800	1000	1250	1400	1600	1800					
	NN600	800	1000	1250	1400	1600	1800	2000					
	EP	EP100	200	250	315	400	500	630	800				
		EP125	200	250	315	400	500	630	800				
		EP160	250	400	500	600	800	1000	1250				
EP200		315	500	630	800	1000	1250	1400					
EP250		400	630	800	1000	1250	1400	1600					
EP300		500	630	800	1000	1250	1400	1600					
	EP400	630	800	1000	1250	1400	1600	1800					
	EP500	800	1000	1250	1400	1600							
	EP600	1000	1250	1400	1600	1800							

Combined cord belt (PVC, PVG)

Category	580s	680s	800s	1000s	1250s	1400s	1600s	1800s	2000s	2240s	2500s
Min diameter of pulley	500	630	630	630	800	800	1000	1000	1250	1250	1400

Ordering code of belt

Example:

Plied cord belt	NN	600	/	2	1000	3 x 1.5	L	Zhonghua	9808
	Cord	Strength		plies	Belt width	Top & bottom rubber thickness	Basic features	Trade mark	Manufacture date

PVG combined cord & flame retardant	MA	S		1000	2 x 2	Zhonghua	9808	628
	Safety code	Code of Electrostatic resistance		Strength	Top & bottom rubber thickness	Trade mark	Manufacture date	Inspection code

PVC combined cord & flame resistant	MA	S	1000	Zhonghua	9808	666
	Safety	Code of electro- static resistance	Strength	Trade mark	Manufacture date	Inspection code

Categories & standards

Based on different covering rubber, plied cord belts comes with normal, heat resistance, high temperature resistance, burning resistance, heat & wear resistance, wear resistance, ordinary flame retardant, electro-static resistance, cold resistance, acid, alkali, oil resistance, edible goods, ozone resistance etc.

Standards and main technical data of plied cord belts

Category	Standards and main technical data
normal	GB7984
Heat resistance	HG2297 Type II 125°C
High temperature resistance	HG2297 Type III 150°C Q/XJLC42 180°C
Burning resistance	Material burning at temperature 200°C above
Heat & wear resistance	Wear ≤ 150mm ³ , 125°C
Wear resistance	Wear ≤ 90mm ³
Ordinary Flame retardant	GB10822
Electrostatic resistance	Q/XJLC51, Surface elect. Resistance 10 ⁵ Ω
Cold resistance	Hardening temperature -50°C
Acid, alkali, oil resistance	Q/02XJLC52
Edible goods	Q/JL02-38
Ozone resistance	Ozone density = 50 x 10 ⁻⁶ m ³ /m ³ , no fracture at 40°C/72h

* GB is the Chinese standard. ** Q/ is the standard regulated in China's Shandong province.

PVC & PVG combined cord conveyor belt

Category	Standard code
PVC, PVG	BS3289 MT147 HG2805



Burning resistance belt

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