

Technical Datasheet		Conveyor Belt	
Belt type		LBFE-12DK	
		O-005 Ver.4	
Applications - Steel plate conveyance - Heavy duty conveyor			
Construction			
	Top side		Bottom side
	Nonwoven fabric		Nonwoven fabric
	-		-
	-		-
	Blue		Blue
	Tension member		Splice
	Polyester		Skiver
	Fabric		
	1ply		
	Construction		
Dimensions		Properties	
Width/Roll (max.)		Minimum pulley diameter	
2,000mm		Flexing	
Width/Endless (max.)		Skiver	
2,000mm		100mm	
Length (max.)		-	
50m		Back flexing	
Total thickness		Skiver	
5.5mm		100mm	
Weight		-	
3.6 kg/m²		Knife edge	
		-	
Please contact Nitta if you need other dimensions.		Dynamic properties	
Regulatory compliance		Standard elongation	
RoHS(2011/65/EC,		0.3%	
(EU)2015/863)		Tension after relaxation at 0.3%	
		3.0N/mm	
		Initial tension at 1.0%	
		20.0N/mm	
		Tension after relaxation at 1.0%	
		10.0N/mm	
		Operating temperature range	
		-20~80°C	
		Operating temperature range*	
		-20~80°C	
		*When under continuous use	
Features		Tensile properties	
Will not damage conveyed goods		Tensile strength	
Cushioning property		120N/mm	
Whisper		Elongation at break	
Accumulation		15%	
		Maximum allowable tension	
		20.0N/mm	
		Maximum allowable elongation	
		1.0%	
		Coefficient of friction	
		Top vs. Steel	
		0.3~0.4	
		vs. Paper	
		0.4~0.5	
		Bottom vs. Steel	
		0.3~0.4	
		vs. Lagged pulley	
		0.5~0.7	
		vs. POM (resin)	
		0.3~0.5	
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