

Technical Datasheet	Conveyor Belt	
	Belt type	WU-12DC-3

U-050 Ver.5

Applications

- Medium duty conveyor

Construction



Top side	Bottom side
Cotton and polyester	Cotton and polyester
-	-
Fabric	Fabric
White	Beige
Tension member	Splice
Polyester	Skiver
Fabric	
2ply	
Construction	

Dimensions

Width/Roll (max.)	1,000mm
Width/Endless (max.)	1,000mm
Length (max.)	100m
Total thickness	1.7mm
Weight	1.4 kg/m ²

Please contact Nitta if you need other dimensions.

Regulatory compliance

RoHS(2011/65/EC,
(EU)2015/863)

Features

High release
Slider bed
Roller bed

Properties

Minimum pulley diameter

Flexing	
Skiver	40mm
	-
Back flexing	
Skiver	40mm
	-
Knife edge	
	-

Dynamic properties

Standard elongation	0.5%
Tension after relaxation at 0.5%	2.0N/mm
Initial tension at 1.0%	8.0N/mm
Tension after relaxation at 1.0%	4.0N/mm
Operating temperature range	-20~80°C
Operating temperature range*	-20~80°C

*When under continuous use

Tensile properties

Tensile strength	120N/mm
Elongation at break	15%
Maximum allowable tension	8.0N/mm
Maximum allowable elongation	1.0%

Coefficient of friction

Top	vs. Steel	0.1~0.3
	vs. Paper	0.2~0.4
Bottom	vs. Steel	0.1~0.3
	vs. Lagged pulley	0.3~0.6
	vs. POM (resin)	0.1~0.4