Dust-Free cable

◆ High-Flex Flat Cable System ◆ Vacuum Version

Features

■ Bending life exceeds 10 million cycles

■ A greater variety of cable types and flexible combination methods

■ Higher integration with a smaller bending radius

■ High cleanliness movement with no particles

■ No minimum order quantity restrictions

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■ A greater variety of cable types and flexible combination methods

■ Higher integration with a smaller bending radius

■ High cleanliness movement with no particles

■ High vacuum applicability, low outgassing rate

■ High pressure resistance up to 20KV

■ No minimum order quantity restrictions

Applications

High-flex flat cable system – main applications include semiconductor front-end wafer inspection equipment, semiconductor inspection equipment suitable for vacuum environments, photolithography equipment systems, high-precision visual inspection, and medical devices.

Technical Specifications

	Data	Unit
Max. acceleration	4	g
Max.velocity	2	m/s
Min.bend radius	40	mm
Operating temperature range	-40~80	°C
Lifetime	> 10 million	
Cleanliness class	IPA Clean Class 1 (ISO14644-1)	
Certifications	UL，IPA	
Min.spacing	1	mm

◆ Dust-Free POD Drag Chain
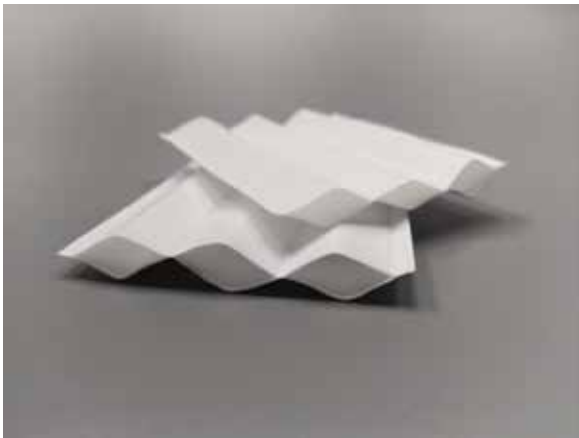
Features

■ Highly durable outer layer with a resistance of millions of reciprocating cycles

■ Cleanliness level of ISO Class 100, effectively protecting cables and reducing cable powder

■ Wide range of application

■ Customizable for different POD widths, meeting customer customization requirements

Applications

POD – laser equipment, new energy battery inspection equipment, high-precision flaw detection equipment, semiconductor back-end chip inspection equipment, high-end lens assembly equipment for lenses, semiconductor packaging equipment, liquid crystal panel-related equipment, and robotics.

Interface Definition
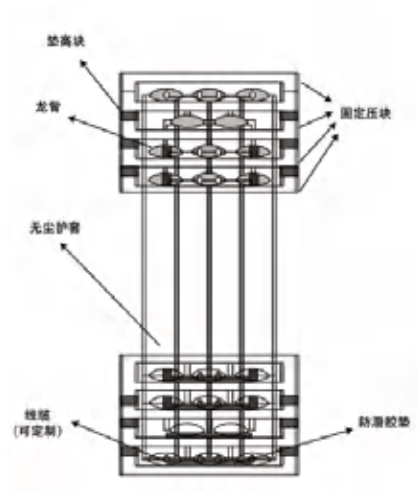
Customization Information

Model list as shown below:

Model		Model	
	46-4C18-00-00 Flat flex--4×0.75		46-1P26-00-00 26#1P+Filler+PTFE no Jacket
	46-4P26-00-00 Flat flex--4×2×0.14		S-23032401 0.25mm2/1C+S+PTFE
	46-6P26-00-00 Flat flex--6×2×0.14		47-5C26-00-00 72/0.05±0.008mm
	46-6C22-00-00 Flat flex--6*0.3		46-4C21-00-00 100/0.08±0.008mm
	46-8C21-00-00 Flat flex—8*0.3		47-4C20-00-00 150/0.08±0.008mm
	46-AC27-00-00 Flat flex--10*0.1		47-8P26-00-00 28/0.08±0.008mm