

# JLC Series

## 5049 ESD Collared Lab Coats

### Description

The JLC Series 5049 Collared Lab Coats from Transforming Technologies garments are fabricated from light weight blend of 66% polyester and 32% cotton, and 2% carbon fabric for unmatched operator comfort. Our Superior workmanship provides reliable panel to panel continuity. The [JLC Series 5049 Lab Coats](#) maintains consistent continuity readings for up to 100 wash cycles. Available in light blue.

- Three snap sleeve termination for proper fit adjustment
- Conforms to ANSI/ESD 20.20
- Reliable panel to panel continuity
- Shields ESD susceptible items from charges on workers' clothing



**Model: JLC5402– JLC5409**  
Collared ESD Lab Coats: Small - 5XL

### Sizing Chart

Size	Shoulders	Sleeve	Back	Chest
2XS	14 <sup>9</sup> / <sub>16</sub>	22	27 <sup>1</sup> / <sub>8</sub>	16 <sup>1</sup> / <sub>2</sub>
XS	16 <sup>1</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>4</sub>	28	21 <sup>5</sup> / <sub>8</sub>
S	16 <sup>15</sup> / <sub>16</sub>	23 <sup>5</sup> / <sub>8</sub>	29 <sup>5</sup> / <sub>16</sub>	22 <sup>1</sup> / <sub>2</sub>
M	19 <sup>5</sup> / <sub>16</sub>	23 <sup>5</sup> / <sub>8</sub>	29 <sup>5</sup> / <sub>16</sub>	23 <sup>1</sup> / <sub>4</sub>
L	20 <sup>1</sup> / <sub>2</sub>	23 <sup>5</sup> / <sub>8</sub>	30 <sup>5</sup> / <sub>8</sub>	25 <sup>9</sup> / <sub>16</sub>
XL	20 <sup>7</sup> / <sub>8</sub>	24	31 <sup>1</sup> / <sub>16</sub>	26
2XL	21 <sup>1</sup> / <sub>4</sub>	24	31 <sup>1</sup> / <sub>2</sub>	27 <sup>3</sup> / <sub>8</sub>
3XL	21 <sup>1</sup> / <sub>4</sub>	24	31 <sup>3</sup> / <sub>4</sub>	28
4XL	21 <sup>5</sup> / <sub>8</sub>	24	32 <sup>1</sup> / <sub>4</sub>	29 <sup>1</sup> / <sub>2</sub>
5XL	22	25 <sup>7</sup> / <sub>16</sub>	32 <sup>1</sup> / <sub>4</sub>	30 <sup>5</sup> / <sub>16</sub>

Tolerance	+/- 3/4
Units	Inches

### Product Numbers

Item Number	Description
JLC 5402SPLB	Collared Lab Coat, snap cuff, Light Blue, S
JLC 5403SPLB	Collared Lab Coat, snap cuff, Light Blue, M
JLC 5404SPLB	Collared Lab Coat, snap cuff, Light Blue, L
JLC 5405SPLB	Collared Lab Coat, snap cuff, Light Blue, XL
JLC 5406SPLB	Collared Lab Coat, snap cuff, Light Blue, 2XL
JLC 5407SPLB	Collared Lab Coat, snap cuff, Light Blue, 3XL
JLC 5408SPLB	Collared Lab Coat, snap cuff, Light Blue, 4XL
JLC 5409SPLB	Collared Lab Coat, snap cuff, Light Blue, 5XL

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



**Transforming Technologies, LLC**

3719 King Road.  
Toledo, OH 43617

Phone: 1.419.841.9552

Fax: 1.419.841.3241

[www.transforming-technologies.com](http://www.transforming-technologies.com)

*Outstanding Alternatives in Static Control*

## Transforming Technologies

# JLC Series

## 5049 ESD Collared Lab Coats

### Product Specifications

#### Standards

Meets: ANSI ESD-S20.20 and ESDA Standard 1.1-2006

Characteristics	Methods	Units	Specification	
Composition	ASTM D-629	%	66% Polyester, 32% Cotton, 1% Carbon Fiber	
Weave	Visual		Plain	
Weight	ASTM D-3776	oz/yd <sup>2</sup>	4.3	+/-2%
Breaking strength	ASTM D-5043	Warp / Newton	440	min
		Weft / Newton	350	min
Tear strength	ASTM D-1424	Warp / Newton	30	min
		Weft / Newton	20	min
Dimensional change	AATCC-135	Warp / %	0.0	+/-3%
		Weft / %	0.0	+/-3%
Colorfastness to washing	AATCC-61	Change	3-4	min
Colorfastness to perspiration	AATCC-15	Acid	3-4	min
		Alkaline	3-4	min
Colorfastness to crocking	AATCC-08	Dry	3-4	min
		Wet	2-3	min
Surface resistivity (12%) RH 73oF, 48 Hrs.	ESD STM 2.1	Resistance Ohms	10 e6	max
Surface resistivity after 100 washing cycles	ESD STM 2.1		10 e6	max
Static Decay(12%) RH 73oF, 48 Hrs.	FED STD 101C	Seconds	0.01	max
Static decay after 100 washing cycles	METHOD 4046		0.01	max

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