



**EOS/ESD Association Services, LLC**

# Product Test Report

Bertech ESD Fabric Wrist Straps

Model: AFWSB121M

Testing per:

ANSI/ESD S1.1-2021

Technician- Brennan Pimpinella

*The results provided in this report are accurate within the limits appropriate to each test standard. This report shall not be reproduced, except in full, without written permission from EOS/ESD Association Services, LLC.*

Bertech Fabric Wristbands, were tested per resistance levels and methods per ANSI/ESD S1.1-2021.

Test Date: 2/06/26

Test Facility: EOS/ESD Association Services LLC

Conditioning Temperature: 23°C

Conditioning Humidity: 12% R.H.

Conditioning Time: 48 hours

Test Temperature: 23°C

Test Humidity: 10%R.H.

Operator: Brennan Pimpinella

Equipment: PRS-801B Resistance System

## Equipment Verification

Upper Resistance	Electrification period in seconds	Test Voltage
1.38E+14	20	100

### Fabric 1

Inside Band	Outer Band	Wrist strap with cable	System Test
3.68E+02	3.33E+02	1.06E+06	1.80E+06

### Fabric 2

Inside Band	Outer Band	Wrist strap with cable	System Test
3.92E+02	1.49E+03	1.06E+06	1.30E+06

### Fabric 3

Inside Band	Outer Band	Wrist strap with cable	System Test
1.12E+03	1.25E+03	1.00E+06	1.77E+06

The limit in ANSI/ESD S1.1 – 2021 is as follows:

Electrical	Required Limit	Test Section
Wrist Strap Continuity and Resistance	1.0 x 10 <sup>6</sup> ohms ± 20%, or user-defined value	6.1
Wristband Resistance Interior	< 1.0 x 10 <sup>5</sup> ohms, or user defined value	6.2
Wristband Resistance Exterior	> 1.0 x 10 <sup>7</sup> ohms	6.2
Electrical	Required Limit	Test Section
Wrist Strap System Resistance	< 3.5 x 10 <sup>7</sup> ohms, or user-defined value	6.10

The exterior of each wristband was not  $> 1.0 \times 10^7$  ohms. Each wrist band is within the limits for the other requirements.

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02/06/2026

EOS/ESD Association Services, LLC  
218 W. Court Street  
Rome, NY 13440

*Submitted to Client by:*

A handwritten signature in black ink, appearing to read "Lisa Pimpinella". The signature is written in a cursive style with a large initial "L".

Lisa Pimpinella  
Executive Director



EOS/ESD Association Services, LLC

## Product Test Report

Bertech ESD Metal Wrist Straps  
Model: AMWS121M

Testing per:  
ANSI/ESD S1.1-2021

Technician- Brennan Pimpinella

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Bertech Metal wrist bands were tested per resistance levels and methods per ANSI/ESD S1.1-2021.

Test Date: 2/06/26

Test Facility: EOS/ESD Association Services LLC

Conditioning Temperature: 23°C

Conditioning Humidity: 12% R.H.

Conditioning Time: 48 hours

Test Temperature: 23°C

Test Humidity: 10%R.H.

Operator: Brennan Pimpinella

Equipment: PRS-801B Resistance System

## Equipment Verification

Upper Resistance	Electrification period in seconds	Test Voltage
1.38E+14	20	100

### Metal 1

Inside Band	Outer Band	Wrist strap with cable	System Test
6.94E+03	4.72E+12	1.05E+06	1.45E+06

### Metal 2

Inside Band	Outer Band	Wrist strap with cable	System Test
4.75E+03	3.39E+03	1.06E+06	1.32E+06

### Metal 3

Inside Band	Outer Band	Wrist strap with cable	System Test
7.45E+03	2.51E+05	1.00E+06	1.75E+06

The limit in ANSI/ESD S1.1 – 2021 is as follows:

Electrical	Required Limit	Test Section
Wrist Strap Continuity and Resistance	1.0 x 10 <sup>6</sup> ohms ± 20%, or user-defined value	6.1
Wristband Resistance Interior	< 1.0 x 10 <sup>5</sup> ohms, or user defined value	6.2
Wristband Resistance Exterior	> 1.0 x 10 <sup>7</sup> ohms	6.2
Electrical	Required Limit	Test Section
Wrist Strap System Resistance	< 3.5 x 10 <sup>7</sup> ohms, or user-defined value	6.10

The exterior of each wristband was not  $> 1.0 \times 10^7$  ohms. Each wrist band is within the limits for the other requirements.

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Lisa Pimpinella  
Executive Director