



**Designed to be used with a Coiled Cord (included with Wrist Straps) with a one megohm current limiting resistor meeting the EN 61340-5-1 Personnel Grounding requirements tested per ANSI/ESD S1.1.**

## Description

- No metal to skin contact  
Choice for those with skin allergies
- Widely adjustable, elasticated fabric band  
Conductive fibres on the inside
- Vermason logo molded into the cap
- 4mm stud fitted

## Specifications:

$R_S$  interior of band:  $< 1 \times 10^5$  ohms Test Method: ANSI/ESD S1.1 (5.2)

$R_S$  exterior of band:  $> 1 \times 10^7$  ohms Test Method: ANSI/ESD S1.1 (5.2)

Circumference: adjustable from 120mm to 200mm

Weight: 8g

Item	Description
<a href="#">229700</a>	Adjustable Elastic Wristband Only, 4mm, Dark Blue
<a href="#">229705</a>	Adjustable Elastic Wristband Only, 4mm, Dark Blue, Pack of 100
<a href="#">229710</a>	Adjustable Elastic Wristband Only, 4mm, Light Blue
<a href="#">229720</a>	Adjustable Elastic Wristband Only, 4mm, Red, Pack of 100
<a href="#">229730</a>	Adjustable Elastic Wristband Only, 4mm, Yellow, Pack of 100
<a href="#">229775</a>	Wrist Strap, Dark Blue / Coiled Cord, 2m, Yellow, 4mm Socket, 4mm Plug

See Drawing [230105](#) for details on Coiled Cords



Made in the  
United Kingdom

"All personnel shall be grounded or equipotentially bonded according to the requirements below when handling ESDS. When personnel are seated at ESD protective workstations, they shall be connected to ground via a wrist strap system."  
[EN 61340-5-1 Clause 5.3.3 Personnel grounding]

"A wrist strap system consists of three elements: the person, the wrist cord and a wrist band. To ensure that the resistance to ground of personnel is within the specifications, it is important to measure the entire system (i.e. from the person's body to the end of the ground cord)."

"Wrist straps typically consist of a wrist band which makes contact with the wearer's skin. The wrist band is then attached to a grounding cord which is connected to the ESD ground reference."

"The wrist band is a flexible, form-fitting device designed to make a reliable continuous connection to a person's wrist."

[CLC TR 61340-5-2 User guide Wrist Strap Clauses 4.5.2, 4.7.2.2, and 4.7.2.2.1]

Unless otherwise noted, tolerance  $\pm 10\%$

Specifications and procedures subject to change without notice.

## Adjustable Elastic Wristbands and Wrist Straps, 4mm

# DESCO EUROPE

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**Drawing Number**  
**229700**

**DATE:**  
January  
2018



230155

## Description

- 2.5mm polyurethane insulation
- Conductor is high strength 7-end duplex tinsel for strength and flexibility
- 1 megohm resistor built in the 4mm socket end
- 4mm banana plug does not contain resistor
- Colours: black or yellow
- Dielectric strength: cords withstand 1250 volts DC for at least one minute

Item	Description
<a href="#">230155</a>	2m Coiled Cord, 4mm Socket / 4mm Plug, Black
<a href="#">230170</a>	2m Coiled Cord, 4mm Socket / 4mm Plug, Yellow

"All personnel shall be grounded or equipotentially bonded according to the requirements below when handling ESDS. When personnel are seated at ESD protective workstations, they shall be connected to ground via a wrist strap system."

[EN 61340-5-1 Clause 5.3.3 Personnel grounding]

"The ground cord is a wire assembly that connects the wrist band to ground or to a common connection point. It usually consists of an insulated wire with a connector head that attaches to the band on one end and a termination device on the other end for connecting to ground. Ground cords usually contain a current-limiting resistor at the band-connecting end. Any electrical connector that can be attached to ground is acceptable as long as it is mechanically durable. The preferred grounding point for the groundable end of the cord is a point connected to ground or to a common connection point."

[CLC TR 61340-5-2 User guide Clause 4.7.2.2.2 Wrist strap ground cord]

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## Coiled Cords, 4mm Socket, 4mm Plug

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