

Esd wrist strap

◆ Product Description

The esd wrist strap is a core static protection device in industries such as electronics manufacturing, semiconductors, and precision instruments. It real-time conducts away static electricity from the human body to prevent damage to sensitive components caused by electrostatic discharge.



- High-efficiency static discharge
- Safe and reliable design
- Durable and easy to maintain
- Comfortable and convenient ergonomic design
- Safe and reliable grounding connection

◆ Product Structure

- ESD wrist straps all include basic structures such as a wrist strap body and adjustment mechanisms. The single-loop design uses a single multi-strand tinned copper wire conductive cord, while the double-loop design employs a dual-wire parallel structure with a main circuit and a redundant circuit, equipped with a break detection module to ensure high reliability and safety compliance.

◆ Typical Applications

- The ESD wrist strap, with its high-efficiency static discharge and reliable grounding design, is widely used in electronics manufacturing, semiconductor wafer processing, precision instrument processing, laboratory research and development, medical device manufacturing, as well as special scenarios such as cleanrooms and flammable/explosive environments.

◆ Typical Product Data and Physical Properties

Material: PVC/PU

Color: Blue, Black

Anti-static Performance: $\leq 10E9\Omega$

Conductive Fiber Spacing: 0.1 (mm)

Temperature Resistance Range: -20°C to $+60^{\circ}\text{C}$

Tensile Strength: $\geq 200\text{MPa}$

Availability:

Item#	Size	Length	Diameter	Circuit	GND Terminal
1.2.19.01.0041	Blue	2M	2.15MM	Double	None
1.2.19.01.0149	Black	2.4M	2.2MM	Double	L - type DC plug
1.2.19.01.0099	Black	2.4M	2.2MM	Single	L - type DC plug
1.2.19.01.0035	Blue	3M	2.2MM	Single	Lantern head fish clip
1.2.19.01.0224	Blue	1.8M	2.15MM	None	None
1.2.19.01.0230	Black	1.8M	2.2MM	None	L - type DC plug
1.2.19.01.0227	Blue	1.8M	2.15MM	Double	None
1.2.19.01.0225	Blue	1.8M	2MM	None	Banana plug alligator clip
1.2.19.01.0001	Blue	2.4M	2.2MM	None	Lantern head fish clip
1.2.19.01.0181	Blue	6M	2.5MM	None	Lantern head fish clip
1.2.19.03.0012	Black	2.4M	2.2MM	None	Claw nail alligator clip

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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