

TECHNICAL DATASHEET

CAL ESD CARDIGAN

LONG ZIPPER



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FEATURES

- » **Standard sizes:** Unisex XS - 5XL
- » With full length zipper
- » 2 side pockets
- » ESD logo on the chest area
- » ESD cuff
- » Comfortable, breathable

FABRIC PROPERTIES

- » Static dissipative knitted fabric (with carbon yarn)
- » **Finish:** Crease resists, workwear
- » **Resistance from point to point (Rp):** $10^6 - 10^7$ Ohm
- » **Charging time:** < 2 seconds
- » Complies with IEC 61340-4-9:2024 and ANSI/ESD STM2.1:2018, and keeps this compliance after more than 40 industrial washings
- » Developed for industrial washing

THSS

- » **Composition:** 48% Polyester 48% Cotton 4% Conductive fiber
- » **Fabric Weight:** 280 g/m²

THSB

- » Fluffy inner side
- » **Composition:** 48% Polyester 48% Cotton 4% Conductive fiber
- » **Fabric Weight:** 320 g/m²

THSS FABRIC



THSB FABRIC



ORDERING CODE SAMPLE

CAL - **THSS** - **NB** **L**
style fabric color size

Clothing certified according to the international ESD standards, as indicated by this/similar label



The sizes given here meant values before washing.

SIZE CHART (CM)	XS	S	M	L	XL	XXL	3XL	4XL	5XL
Chest	108	112	116	120	124	130	136	142	148
Length	64	66	68	70	72	74	76	78	80
Sleeve	72	74	76	78	80	82	84	84	85



You can contact us too for customized embroidered or screen printed company logos, lettering, custom designed ESD clothing.

Size tolerance (Before washing): 2%

We suggest to determine personal size with measurement on washed clothes.

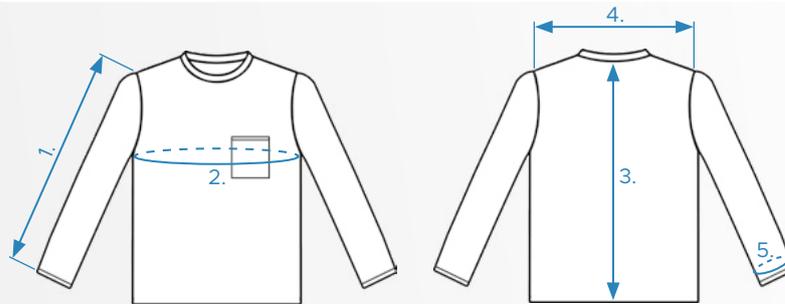


The sizechart below shows the dimensions before washing.

After washing, it should be calculated with a shrinkage of 8-10% for width (mainly for breast size).

DESCRIPTION

1. Sleeve
2. Chest
3. Length
4. Shoulder
5. Cuff



WASHING INSTRUCTIONS

Conductive carbon fibres used in ESD fabrics are very sensitive to high temperatures, alkalis, acids, rinses (softeners) and bleaches. Inadequate use may cause damage to carbon fibres and ESD clothing may lose or significantly deteriorate ESD parameters. Therefore, wash ESD clothing very carefully, in each case please follow the instructions:

THSS, THSB FABRICS

- i** In the case of knitted fabrics we suggest to determine personal size with measurement on washed clothes. The sizes given by us in size charts meant values before washing regarding products made from these fabrics.
- i** We recommend, in order to preserve the conductivity of the garment in the long term, to entrust washing and drying processes to an industrial laundry where they can provide the necessary technological processes and conditions (documented washing procedures and suitable environment). Adapt the associated cleaning processes to the production technology (e.g. cleanroom requirements) of the product at the place of use.
- i** If the used production technology does not require specific cleaning processes, do washing in cold or lukewarm water at a temperature not warmer than 40 °C (104 °F) with neutral (liquid) detergent.
- i** Ironing of the garment is not necessary or recommended. If the user does iron the garment, iron at a maximum temperature of 110 °C (230 °F) without steaming.
- i** Bleachers are forbidden. Do not use rinse aids or detergents with a high alkali or acid content. Do not use detergents and / or rinse aids that contain bleach and / or chlorine.
- i** Do not use perfumes and deodorants as they may damage the fabric and the color of the product
- i** Do not dry clean. Tumble drying is prohibited.
- i** Wash all garments inside out
- i** Do not expose clothing to direct UV rays. Tighten the zippers before each wash



WARRANTY

- ❗ The warranty is strictly valid under controlled and documented industrial laundry conditions, concern the fabric washing cycle as specified in the technical data's.
- ❗ The warranty is NOT valid if the washing process is made in home environment!
- ❗ The warranty covers ESD parameters and possible sewing errors according to IEC 61340-4-9:2024 and ANSI/ESD STM2.1:2018 standard issued only!
- ❗ The warranty does not cover the size and shrinkage differences within the tolerances given at the size charts!
- ❗ Our clothing products are provided with the „Operating instructions with symbols” according to the EN ISO 3758:2023 standard.
- ❗ If the product shows improper tampering (e.g. tread extension or tearing), the complaint can be rejected.



The availability of products manufactured from the colors shown may vary.
For current expected delivery times and other requested colors please contact us.