

ELSEC INSULATING GLOVES



» APPLICATION

ELSEC insulating gloves are designed for electrical applications only as the basic personal protective equipment for working with voltages up to 1 kV or as additional protective measure for voltages exceeding 1 kV.

» MAIN FEATURES

ELSEC electro-insulating gloves have ergonomic shape and are made of high quality natural latex using fully automated production line. Each glove is individually numbered and electrically tested at a computer controlled testing rig. Report of this test is attached to each individual glove package. The ergonomic shape and elasticity of glove makes manual work comfortable and easy even when anti perspiration inner cotton glove and/or protector leather gloves are worn over. Five classes of ELSEC gloves are available fulfilling different voltage test requirements.

ELSEC gloves are category RC gloves according to EN 60903:2003 + AC2:2005 standard and have special properties increasing their resistance to:

- R – acid, oil and ozone.
- C – resistant to extremely low temperature.

TECHNICAL CHARACTERISTICS OF ELSEC GLOVES

Five sizes available: 8, 9, 10, 11, 12 to fit any hand.

The ELSEC gloves have been tested against thermal influence of electric arc according to the requirements described in the standards:

1/ PN-EN 61482-1-1: 2009

2/ ASTM F2675/F2575M – 13

Technical characteristic of ELSEC gloves according to EN 60903:2003 + AC2:2005

Type		ELSEC 2,5	ELSEC 5	ELSEC 10	ELSEC 20	ELSEC 30
Catalogue number		S5921000	S5922000	S5923000	S5924000	S5925000
Class/Category, acc. to EN 60903:2003 + AC2:2005		00/RC	0/RC	1/RC	2/RC	3/RC
Designation of maximum use voltage	AC [V] rms	500	1 000	7 500	17 000	26 500
	DC [V]	750	1 500	11 250	25 500	39 750
AC tests	Proof test voltage [kV] rms	2,5	5	10	20	30
	Maximum proof test current [mA] rms, (routine test)	12	12	14	16	18
	Withstand test voltage [kV] rms	5	10	20	30	40
DC tests	Proof test voltage Avg [kV]	4	10	20	30	40
	Withstand test voltage Avg [kV]	8	20	40	60	70
Length [mm]		360	360	360	360	360
Maximum glove thickness, A, H, Z and R category gloves may need to be thicker, but never over 0,6 mm.		0,5 mm	1,0 mm	1,5 mm	2,3 mm	2,9 mm
Average tensile strength not less than		16 MPa	16 MPa	16 MPa	16 MPa	16 MPa
Average elongation at break not less than		600%	600%	600%	600%	600%
Size		8, 9, 10, 11, 12	8, 9, 10, 11, 12	8, 9, 10, 11, 12	8, 9, 10, 11, 12	9, 10, 11, 12
Cuff		Straigth	Straigth	Straigth	Straigth	Straigth



ELSEC 2,5 kV INSULATING GLOVES

Class/Category: 00/RC

Catalog number: S5921000

Proof voltage [V]: 5000

Maximum use voltage:

- A.C. voltage [V]r.m.s.: 500
- D.C. voltage [V]: 750



ELSEC 5 kV INSULATING GLOVES

Class/Category: 0/RC

Catalog number: S5922000

Proof voltage [V]: 5000

Maximum use voltage:

- A.C. voltage [V] r.m.s.: 1 000
- D.C. voltage [V]: 1 500





ELSEC 10 kV INSULATING GLOVES

Class/Category: 1/RC

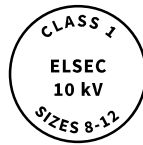
Catalog number: S5923000

Proof voltage [V]: 10 000

Maximum use voltage:

– A.C. voltage [V]r.m.s.: 7 500

– D.C. voltage [V]: 11 250



ELSEC 20 kV INSULATING GLOVES

Class/Category: 2/RC

Catalog number: S5924000

Proof voltage [V]: 20 000

Maximum use voltage:

– A.C. voltage [V]r.m.s.: 17 000

– D.C. voltage [V]: 25 500





ELSEC 30 kV INSULATING GLOVES

Class/Category: 3/RC
 Catalog number: S5925000
 Proof voltage [V]: 30 000
 Maximum use voltage:
 – A.C. voltage [V]r.m.s.: 26 500
 – D.C. voltage [V]: 39 750



»» ACCESORIES FOR INSULATING GLOVES



Leather overgloves

Working on live system may expose insulating gloves to mechanical damage. Commonly used insulating gloves are made of latex, which has relatively low mechanical resistance to puncture and cuts. Hence the need for protective gloves to be worn over electrical insulating gloves.



Cotton inserts

Made of fine cotton, they significantly improve the comfort of working, isolate hand from the ELSEC glove latex, and absorb the sweat well. With these inserts the hands are dry, and the work is more pleasant and safer. They also facilitate ELSEC gloves' storing, maintaining keeping clean.



Carrying bag

Bag for ELSEC gloves that provides safe storage and transport. Made of polyvinyl chloride coated polyester (not permeable to moisture), it has three pockets for three types of gloves, anti-sweat or warm pads, for ELSEC gloves and leather gloves. Fastened with a press stud, has a snap hook, with which the bag with its content can be freely attached to tool belt, the bag also has a loop, through which the belt can be inserted.