

ELECTRICAL INSULATING GLOVES



**EMPOWERING
ELECTRICAL
EXCELLENCE:**

**ACHIEVING
OPTIMAL SAFETY
AND COMFORT IN
OPERATIONS!**

TECHNICAL DETAILS

EMPOWERING ELECTRICAL EXCELLENCE: ACHIEVING OPTIMAL SAFETY AND COMFORT IN OPERATIONS!



Environmentally Friendly

Our gloves are manufactured using eco-friendly waterbased technology, and we uphold a strict zero-tolerance policy towards using solvents throughout the manufacturing process. Our sourcing strategy is also deeply rooted in sustainability, as we exclusively employ natural materials in our production, aligning with our commitment to environmental responsibility.



User Friendly

Dexterity, the skillful and swift execution of challenging actions using hands, is crucial in various tasks. Our innovative electrical glove manufacturing methods significantly enhance the balance between comfort and dexterity while providing the utmost electrical shock protection.

With ongoing innovations, comfort and dexterity levels have continuously risen, fostering better acceptance among workers. This reduces injuries and minimises downtime and the associated costs, benefiting businesses in the long run.



Quality Assurance

Classified in Hazard Category III of Personal Protective Equipment, Electrical Insulating Gloves are meticulously manufactured in strict adherence to International Standards. Our in-house laboratory, accredited under ISO/IEC 17025:2014, is equipped to conduct tests in accordance with EN 60903:2003 and IEC 60903:2014 standards. Each pair of gloves undergoes individual testing through dielectric tests and visual inspections, ensuring the Highest Guarantee of Conformity. This meticulous process guarantees the highest level of safety and reliability, providing users with the utmost confidence in their protective gear.



REACH Compliant (SVHC free)

REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) compliance is vital to enhancing the environment and safeguarding human health. These regulations were established to address the risks linked to chemicals and encourage the adoption of alternative methods for assessing substance hazards. Adhering to REACH standards ensures regulatory compliance and contributes significantly to a safer environment and healthier communities.



TECHNICAL DETAILS

ELEVATING SAFETY: YOUR FIRST LINE OF DEFENSE

Electrical insulating gloves serve as the first line of defense, protecting individuals from contact with energized components and electrical lines. As a critical element of Personal Protective Equipment (PPE), these gloves play a vital role in ensuring safety against electrical hazards.

Designed and manufactured in strict adherence to international standards, Raychem RPG's electrical insulating gloves provide superior protection for skilled electrical professionals. When used in accordance with industry-accepted safety practices,

they effectively minimize the risk of electrical accidents.

Produced in a state-of-the-art manufacturing facility, our gloves are crafted using an advanced, fully automated robotic latex dipping process. This ensures exceptional quality, consistency, and performance. Engineered to safeguard against unintended contact with live systems, these high-performance gloves are trusted across diverse industries for reliable protection in demanding electrical environments.

SELECT THE RIGHT GLOVES



Electrical Insulating Gloves Arc Flash-IEC61482-1-2 Box Tested

Offers electrical insulation along with Arc Flash Protection (Box Tested)



Electrical Insulating Gloves Arc Flash-IEC61482-1-2 Box Tested+ASTM F2675



Offers 2-in-1 protection, Electrical insulation with Arc Flash Protection (Box Tested) & ATPV/ ARLim ratings



Electrical Insulating Gloves Arc Flash-IEC61482-1-2 Box Tested+ASTM F2675 & Mechanical Protection



Offers 3-in-1 protection, Electrical insulation with Arc Flash Protection (Box Tested) & ATPV/ ARLim ratings + Mechanical protection



ELECTRICAL GLOVES CLASSIFICATION

According to applicable standards - EN 60903:2003 and IEC 60903:2014

Class	Max Use Voltage (AC)	Proof Test Voltage (AC)	Withstand Test Voltage (AC)	Max Use Voltage (DC)
00	500 V	2500 V	5000 V	750 V
0	1000 V	5000 V	10000 V	1500 V
1	7500 V	10000 V	20000 V	11250 V
2	17000 V	20000 V	30000 V	25500 V
3	26500 V	30000 V	40000 V	39750 V
4	36000 V	40000 V	50000 V	54000 V

TECHNICAL DETAILS

SPECIAL PROPERTIES

Specific unique properties can offer extra protection during electrical tasks. These include **A** (acid resistance), **H** (oil resistance), **Z** (ozone resistance), **R** (combining A + H + Z properties), and **C** (extremely low-temperature resistance). Most of our gloves fall under the **RC** category, ensuring comprehensive safety and functionality in various challenging environments.

Category	Category
A	Acid
H	Oil
Z	Ozone
R	Acid, Oil, Ozone
C	Extremely low temperature
Mechanical protection	

Note 1: The R category combines the characteristics of categories A, H and Z

Note 2: Any combination of categories may be used

MARKING

The diagram illustrates the marking on a Kamfet glove, with callouts explaining the following elements:

- IEC 60417-5216 Live Working Pictogram:** A triangle with a lightning bolt inside.
- Applicable Standards:** IEC 60903: 2014 and EN 60903: 2003.
- Third Party Notified Body No.:** CE 2777.
- Manufacturing Month & Year:** 01/25.
- Room for Writing New Last/next Inspection Date or Date of Issuing into Service:** Three empty boxes.
- Third Party Notified Body No.:** UK CA 0321.
- Hazard category according to EU 2016/425:** CAT III.
- Trademark Logo:** Kamfet™.
- Item Number:** KC-A Ref No. 1136000-10.
- Maximum Usage Voltage:** MAX USE 500 V AC.
- Class & Category:** CLASS - 00 - AZC.
- Batch Number:** LOT NO. L045300.
- Size:** 10.
- Symbol for Mechanical Protection (composite gloves only):** A hammer and anvil icon.
- Arc Flash Symbol:** A lightning bolt icon.
- User's Instruction Manual:** An icon of an open book.
- Arc Flash Test Results:** ASTM F2675 - ATPV 14 Cal/cm2 and IEC 61482-1-2 Box Test - APC - 2.

MARKET SEGMENTS

The Electrical Insulating Gloves range is ideal for a large range of industry-specific market segments:

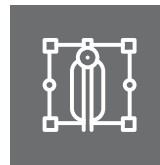


FEATURES

KL-A-SERIES-ELECTRICAL INSULATING GLOVES with ARC Flash Protection

Electrical insulating gloves provide essential personal protection against electrical shocks while working near live electrical equipment, adhering strictly to the **IEC 60903:2014 / EN 60903:2003** standards. These gloves undergo rigorous testing, including voltage, ageing, and mechanical testing.

Our extensive range includes Electrical Insulating Gloves spanning Class 00 to Class 4, suitable for working voltages up to 36,000V. These gloves are available in various sizes, lengths, and distinctive **Red colour**, ensuring a comprehensive selection to meet diverse safety needs.



Ergonomic Design



Dexterity and Thickness



Material Quality



Fit and Performance



Flared Cuff



Smooth Finish



Individual Testing and Packaging



Variety in Cuff Styles



Arc Flash Protection

Class	Category	Maximum Thickness (mm)	Max Use Voltage (AC)	Proof Test Voltage (AC)	Max Use Voltage (DC)	Arc Flash - ASTM F2675 ARLim/ATPV Rating	IEC 61482-1-2 Arc Flash-Box Tested
00	AZC	0.5 +/- 10%	500 V	2500 V	750 V	ARLim - 8 Cal/cm2	APC - 2 (0.5s / 7kA)
0	RC	1.0 +/- 10%	1000 V	5000 V	1500 V	ARLim - 14 Cal/cm2	APC - 2 (0.5s / 7kA)
1	RC	1.6 +/- 10%	7500 V	10000 V	11250 V	ARLim - 14 Cal/cm2	APC - 2 (0.5s / 7kA)
2	RC	2.3 +/- 10%	17000 V	20000 V	25500 V	ATPV - 16 Cal/cm2	APC - 2 (0.5s / 7kA)
3	RC	2.9 +/- 10%	26500 V	30000 V	39750 V	ATPV - 25 Cal/cm2	APC - 2 (0.5s / 7kA)
4	RC	3.6 +/- 10%	36000 V	40000 V	54000 V	ATPV - 39 Cal/cm2	APC - 2 (0.5s / 7kA)

Certifications

EN 60903:2003
IEC 60903:2014



CE 2777



UK CA 0321

Arc Flash Protection



Arc Flash-Box Tested
IEC-61482-1-2: 2014



Arc Flash-Open Arc
ASTM F2675/F2675M-22e1

CATALOGUE INFORMATION

KL-A-SERIES-ELECTRICAL INSULATING GLOVES WITH ARC FLASH PROTECTION

STRAIGHT CUFF

CLASS 00

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-A ARC	AZC	280	7	DEA0010516	1228000-07
			8	DEA0010436	1228000-08
			9	DEA0010353	1228000-09
			10	DEA0010416	1228000-10
			11	DEA0010371	1228000-11
			12	DEA0010395	1228000-12
		360	7	DEA0010517	1236000-07
			8	DEA0010365	1236000-08
			9	DEA0010438	1236000-09
			10	DEA0010495	1236000-10
			11	DEA0010440	1236000-11
			12	DEA0010373	1236000-12

CLASS 2

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-D ARC	RC	360	7	DEA0010523	1236012-07
			8	DEA0010453	1236012-08
			9	DEA0010448	1236012-09
			10	DEA0010392	1236012-10
			11	DEA0010429	1236012-11
			12	DEA0010357	1236012-12
		410	7	DEA0010524	1241012-07
			8	DEA0010475	1241012-08
			9	DEA0010412	1241012-09
			10	DEA0010406	1241012-10
			11	DEA0010409	1241012-11
			12	DEA0010477	1241012-12

CLASS 0

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-B ARC	RC	280	7	DEA0010518	1228010-07
			8	DEA0010362	1228010-08
			9	DEA0010408	1228010-09
			10	DEA0010369	1228010-10
			11	DEA0010404	1228010-11
			12	DEA0010314	1228010-12
		360	7	DEA0010519	1236010-07
			8	DEA0010394	1236010-08
			9	DEA0010432	1236010-09
			10	DEA0010350	1236010-10
			11	DEA0010407	1236010-11
			12	DEA0010402	1236010-12
		410	7	DEA0010520	1241010-07
			8	DEA0010451	1241010-08
			9	DEA0010465	1241010-09
			10	DEA0010467	1241010-10
			11	DEA0010396	1241010-11
			12	DEA0010461	1241010-12

CLASS 3

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-E ARC	RC	360	7	#N/A	#N/A
			8	DEA0010473	1236013-08
			9	DEA0010494	1236013-09
			10	DEA0010437	1236013-10
			11	DEA0010366	1236013-11
			12	DEA0010476	1236013-12
		410	7	#N/A	#N/A
			8	DEA0010492	1241013-08
			9	DEA0010435	1241013-09
			10	DEA0010377	1241013-10
			11	DEA0010390	1241013-11
			12	DEA0010414	1241013-12

CLASS 4

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-F ARC	RC	410	7	#N/A	#N/A
			8	DEA0010397	1241014-08
			9	DEA0010352	1241014-09
			10	DEA0010351	1241014-10
			11	DEA0010470	1241014-11
			12	DEA0010372	1241014-12

CLASS 1

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-C ARC	RC	360	7	DEA0010521	1236011-07
			8	DEA0010391	1236011-08
			9	DEA0010462	1236011-09
			10	DEA0010459	1236011-10
			11	DEA0010401	1236011-11
			12	DEA0010410	1236011-12
		410	7	DEA0010522	1241011-07
			8	DEA0010389	1241011-08
			9	DEA0010458	1241011-09
			10	DEA0010493	1241011-10
			11	DEA0010381	1241011-11
			12	DEA0010443	1241011-12

EXAMPLE:
DEA0010436 = Ordering code 1228000-08 = Manufacturer code (written on the gloves)

NOTE:
Leather protectors are recommended to be worn over electrical gloves to ensure mechanical protection (local regulations, work practices, and risk analysis apply).



CATALOGUE INFORMATION

KL-A-SERIES-ELECTRICAL INSULATING GLOVES WITH ARC FLASH PROTECTION

ROLLED CUFF

CLASS 00

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-A ARC	AZC	280	7	DEA0010553	2228000-07
			8	DEA0010455	2228000-08
			9	DEA0010356	2228000-09
			10	DEA0010387	2228000-10
			11	DEA0010430	2228000-11
			12	DEA0010380	2228000-12
		360	7	DEA0010554	2236000-07
			8	DEA0010460	2236000-08
			9	DEA0010375	2236000-09
			10	DEA0010441	2236000-10
			11	DEA0010355	2236000-11
			12	DEA0010449	2236000-12

CLASS 2

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-D ARC	RC	360	7	DEA0010560	2236012-07
			8	DEA0010400	2236012-08
			9	DEA0010363	2236012-09
			10	DEA0010468	2236012-10
			11	DEA0010399	2236012-11
			12	DEA0010359	2236012-12
		410	7	DEA0010561	2241012-07
			8	DEA0010386	2241012-08
			9	DEA0010385	2241012-09
			10	DEA0010388	2241012-10
			11	DEA0010367	2241012-11
			12	DEA0010423	2241012-12

CLASS 0

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-B ARC	RC	280	7	DEA0010555	2228010-07
			8	DEA0010360	2228010-08
			9	DEA0010374	2228010-09
			10	DEA0010370	2228010-10
			11	DEA0010491	2228010-11
			12	DEA0010424	2228010-12
		360	7	DEA0010556	2236010-07
			8	DEA0010450	2236010-08
			9	DEA0010446	2236010-09
			10	DEA0010433	2236010-10
			11	DEA0010378	2236010-11
			12	DEA0010447	2236010-12
		410	7	DEA0010557	2241010-07
			8	DEA0010498	2241010-08
			9	DEA0010499	2241010-09
			10	DEA0010500	2241010-10
			11	DEA0010501	2241010-11
			12	DEA0010502	2241010-12

CLASS 3

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-E ARC	RC	360	7	#N/A	#N/A
			8	DEA0010445	2236013-08
			9	DEA0010426	2236013-09
			10	DEA0010361	2236013-10
			11	DEA0010478	2236013-11
			12	DEA0010466	2236013-12
		410	7	#N/A	#N/A
			8	DEA0010384	2241013-08
			9	DEA0010425	2241013-09
			10	DEA0010382	2241013-10
			11	DEA0010368	2241013-11
			12	DEA0010354	2241013-12

CLASS 4

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-F ARC	RC	410	7	#N/A	#N/A
			8	DEA0010417	2241014-08
			9	DEA0010442	2241014-09
			10	DEA0010376	2241014-10
			11	DEA0010421	2241014-11
			12	DEA0010393	2241014-12

CLASS 1

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-C ARC	RC	360	7	DEA0010558	2236011-07
			8	DEA0010471	2236011-08
			9	DEA0010456	2236011-09
			10	DEA0010398	2236011-10
			11	DEA0010457	2236011-11
			12	DEA0010349	2236011-12
		410	7	DEA0010559	2241011-07
			8	DEA0010383	2241011-08
			9	DEA0010415	2241011-09
			10	DEA0010418	2241011-10
			11	DEA0010463	2241011-11
			12	DEA0010439	2241011-12

EXAMPLE:
DEA0010455 = Ordering code 2228000-08 = Manufacturer code (written on the gloves)

NOTE:
Leather protectors are recommended to be worn over electrical gloves to ensure mechanical protection (local regulations, work practices, and risk analysis apply).

