

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 shows a glove marking with the following callouts:

- IEC 60417-5216 Live Working Pictogram:** Points to the triangle symbol.
- Applicable Standards:** Points to IEC 60903: 2014 and EN 60903: 2003.
- Third Party Notified Body No. Manufacturing Month & Year:** Points to CE 2777 and 01/25.
- Room for Writing New Last/next Inspection Date or Date of Issuing into Service:** Points to the empty box.
- Third Party Notified Body No. Hazard category according to EU 2016/425:** Points to UK CA 0321.
- Trademark Logo:** Points to the Kamfet logo.
- Item Number:** Points to KC-A.
- Maximum Usage Voltage:** Points to 500 V AC.
- Class & Category:** Points to CLASS - 00 - AZC.
- Batch Number:** Points to LOT NO. L045300.
- Size:** Points to 10.
- Symbol for Mechanical Protection (composite gloves only):** Points to the hammer icon.
- Arc Flash Symbol:** Points to the lightning bolt icon.
- User's Instruction Manual:** Points to the book icon.
- Arc Flash Test Results:** Points to the text 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:

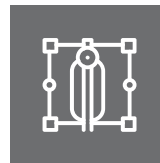


FEATURES

KC SERIES-ELECTRICAL INSULATING GLOVES Composite-Electrical, Arc Flash & Mechanical 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 **Bi-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



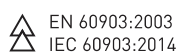
Variety in Cuff Styles



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	RC	1.5 +/- 10%	500 V	2500 V	750 V	ARLim - 14 Cal/cm2	APC - 2 (0.5s / 7kA)
0	RC	1.8 +/- 10%	1000 V	5000 V	1500 V	ARLim - 25 Cal/cm2	APC - 2 (0.5s / 7kA)
1	RC	2.3 +/- 10%	7500 V	10000 V	11250 V	ARLim - 45 Cal/cm2	APC - 2 (0.5s / 7kA)
2	RC	2.9 +/- 10%	17000 V	20000 V	25500 V	ARLim - 55 Cal/cm2	APC - 2 (0.5s / 7kA)
3	RC	3.2 +/- 10%	26500 V	30000 V	39750 V	ARLim - 35 Cal/cm2	APC - 2 (0.5s / 7kA)
4	RC	3.9 +/- 10%	36000 V	40000 V	54000 V	ARLim - 25 Cal/cm2	APC - 2 (0.5s / 7kA)

Certifications



Arc Flash Protection



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



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

CATALOGUE INFORMATION

KC SERIES-ELECTRICAL INSULATING GLOVES-COMPOSITE

STRAIGHT CUFF

CLASS 00

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KC-A Composite	RC	280	7	DEA0010528	1328000-07
			8	DEA0010220	1328000-08
			9	DEA0010222	1328000-09
			10	DEA0010224	1328000-10
			11	DEA0010226	1328000-11
			12	DEA0010228	1328000-12
		360	7	DEA0010529	1336000-07
			8	DEA0010221	1336000-08
			9	DEA0010223	1336000-09
			10	DEA0010225	1336000-10
			11	DEA0010227	1336000-11
			12	DEA0010229	1336000-12

CLASS 2

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KC-D Composite	RC	360	7	DEA0010535	1336012-07
			8	DEA0010208	1336012-08
			9	DEA0010210	1336012-09
			10	DEA0010212	1336012-10
			11	DEA0010214	1336012-11
			12	DEA0010216	1336012-12
		410	7	DEA0010536	1341012-07
			8	DEA0010209	1341012-08
			9	DEA0010211	1341012-09
			10	DEA0010213	1341012-10
			11	DEA0010215	1341012-11
			12	DEA0010217	1341012-12

CLASS 0

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KC-B Composite	RC	280	7	DEA0010530	1328010-07
			8	DEA0010245	1328010-08
			9	DEA0010247	1328010-09
			10	DEA0010249	1328010-10
			11	DEA0010251	1328010-11
			12	DEA0010253	1328010-02
		360	7	DEA0010531	1336010-07
			8	DEA0010203	1336010-08
			9	DEA0010204	1336010-09
			10	DEA0010205	1336010-10
			11	DEA0010206	1336010-11
			12	DEA0010207	1336010-12
		410	7	DEA0010532	1341010-07
			8	DEA0010246	1341010-08
			9	DEA0010248	1341010-09
			10	DEA0010250	1341010-10
			11	DEA0010252	1341010-11
			12	DEA0010254	1341010-12

CLASS 3

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KC-E Composite	RC	360	7	#N/A	#N/A
			8	DEA0010269	1336013-08
			9	DEA0010271	1336013-09
			10	DEA0010273	1336013-10
			11	DEA0010275	1336013-11
			12	DEA0010277	1336013-12
		410	7	#N/A	#N/A
			8	DEA0010270	1341013-08
			9	DEA0010272	1341013-09
			10	DEA0010274	1341013-10
			11	DEA0010276	1341013-11
			12	DEA0010278	1341013-12

CLASS 1

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KC-C Composite	RC	360	7	DEA0010533	1336011-07
			8	DEA0010255	1336011-08
			9	DEA0010257	1336011-09
			10	DEA0010259	1336011-10
			11	DEA0010261	1336011-11
			12	DEA0010263	1336011-12
		410	7	DEA0010534	1341011-07
			8	DEA0010256	1341011-08
			9	DEA0010258	1341011-09
			10	DEA0010260	1341011-10
			11	DEA0010262	1341011-11
			12	DEA0010264	1341011-12

CLASS 4

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KC-F Composite	RC	410	7	#N/A	#N/A
			8	DEA0010279	1341014-08
			9	DEA0010280	1341014-09
			10	DEA0010281	1341014-10
			11	DEA0010282	1341014-11
			12	DEA0010283	1341014-12

