

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:** CAT III.
- Third Party Notified Body No.:** UK CA 0321.
- Hazard category according to EU 2016/425:** 0321.
- 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 symbol showing a hammer and anvil.
- Arc Flash Symbol:** A symbol showing a lightning bolt and a flame.
- User's Instruction Manual:** A symbol showing an open book.
- Arc Flash Test Results:** ASTM F2675 - ATPV 14 Cal/cm2 and IEC 61482-1-2 Box Test - APC - 2.

MARKET SEGMENTS

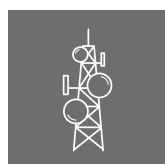
The Electrical Insulating Gloves range is ideal for a large range of industry-specific market segments:



Electricity Utility



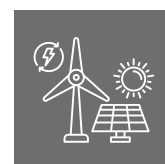
Industrial Applications



Telecom



Electric Vehicles



Renewable Energy



Oil & Gas



Pharma & Chemical



Metal & Mining



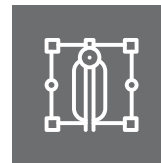
Data Centre

FEATURES

KL SERIES-ELECTRICAL INSULATING GLOVES

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)	IEC 61482-1-2 Arc Flash-Box Tested
00	AZC	0.5 +/- 10%	500 V	2500 V	750 V	APC - 2 (0.5s / 7kA)
0	RC	1.0 +/- 10%	1000 V	5000 V	1500 V	APC - 2 (0.5s / 7kA)
1	RC	1.6 +/- 10%	7500 V	10000 V	11250 V	APC - 2 (0.5s / 7kA)
2	RC	2.3 +/- 10%	17000 V	20000 V	25500 V	APC - 2 (0.5s / 7kA)
3	RC	2.9 +/- 10%	26500 V	30000 V	39750 V	APC - 2 (0.5s / 7kA)
4	RC	3.6 +/- 10%	36000 V	40000 V	54000 V	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

CATALOGUE INFORMATION

KL SERIES-ELECTRICAL INSULATING GLOVES

STRAIGHT CUFF

CLASS 00

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-A	AZC	280	7	DEA0010506	1128000-07
			8	DEA0010003	1128000-08
			9	DEA0010004	1128000-09
			10	DEA0010005	1128000-10
			11	DEA0010006	1128000-11
			12	DEA0010007	1128000-12
		360	7	DEA0010507	1136000-07
			8	DEA0010013	1136000-08
			9	DEA0010014	1136000-09
			10	DEA0010015	1136000-10
			11	DEA0010016	1136000-11
			12	DEA0010017	1136000-12

CLASS 2

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-D	RC	360	7	DEA0010513	1136012-07
			8	DEA0010058	1136012-08
			9	DEA0010059	1136012-09
			10	DEA0010060	1136012-10
			11	DEA0010061	1136012-11
			12	DEA0010062	1136012-12
		410	7	DEA0010503	1141012-07
			8	DEA0010068	1141012-08
			9	DEA0010069	1141012-09
			10	DEA0010070	1141012-10
			11	DEA0010071	1141012-11
			12	DEA0020571	1141012-12

CLASS 0

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-B	RC	280	7	DEA0010508	1128010-07
			8	DEA0010185	1128010-08
			9	DEA0010186	1128010-09
			10	DEA0010187	1128010-10
			11	DEA0010188	1128010-11
			12	DEA0010189	1128010-12
		360	7	DEA0010509	1136010-07
			8	DEA0010028	1136010-08
			9	DEA0010029	1136010-09
			10	DEA0010030	1136010-10
			11	DEA0010031	1136010-11
			12	DEA0010032	1136010-12
		410	7	DEA0010510	1141010-07
			8	DEA0010033	1141010-08
			9	DEA0010034	1141010-09
			10	DEA0010035	1141010-10
			11	DEA0010036	1141010-11
			12	DEA0010037	1141010-12

CLASS 3

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-E	RC	360	7	#N/A	#N/A
			8	DEA0010077	1136013-08
			9	DEA0010078	1136013-09
			10	DEA0010079	1136013-10
			11	DEA0010080	1136013-11
			12	DEA0010081	1136013-12
		410	7	#N/A	#N/A
			8	DEA0010087	1141013-08
			9	DEA0010088	1141013-09
			10	DEA0010089	1141013-10
			11	DEA0010090	1141013-11
			12	DEA0010091	1141013-12

CLASS 4

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-F	RC	410	7	#N/A	#N/A
			8	DEA0010190	1141014-08
			9	DEA0010191	1141014-09
			10	DEA0010192	1141014-10
			11	DEA0010193	1141014-11
			12	DEA0010194	1141014-12

CLASS 1

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-C	RC	360	7	DEA0010511	1136011-07
			8	DEA0010038	1136011-08
			9	DEA0010039	1136011-09
			10	DEA0010040	1136011-10
			11	DEA0010041	1136011-11
			12	DEA0010042	1136011-12
		410	7	DEA0010512	1141011-07
			8	DEA0010048	1141011-08
			9	DEA0010049	1141011-09
			10	DEA0010050	1141011-10
			11	DEA0010051	1141011-11
			12	DEA0010052	1141011-12



EXAMPLE: DEA0010003 = Ordering code 1128000-08 = 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 SERIES-ELECTRICAL INSULATING GLOVES

ROLLED CUFF

CLASS 00

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-A	AZC	280	7	DEA0010541	2128000-07
			8	DEA0010018	2128000-08
			9	DEA0010019	2128000-09
			10	DEA0010020	2128000-10
			11	DEA0010021	2128000-11
			12	DEA0010022	2128000-12
		360	7	DEA0010542	2136000-07
			8	DEA0010023	2136000-08
			9	DEA0010024	2136000-09
			10	DEA0010025	2136000-10
			11	DEA0010026	2136000-11
			12	DEA0010027	2136000-12

CLASS 2

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-D	RC	360	7	DEA0010548	2136012-07
			8	DEA0010063	2136012-08
			9	DEA0010064	2136012-09
			10	DEA0010065	2136012-10
			11	DEA0010066	2136012-11
			12	DEA0010067	2136012-12
		410	7	DEA0010549	2141012-07
			8	DEA0010072	2141012-08
			9	DEA0010073	2141012-09
			10	DEA0010074	2141012-10
			11	DEA0010075	2141012-11
			12	DEA0010076	2141012-12

CLASS 0

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-B	RC	280	7	DEA0010543	2128010-07
			8	DEA0010195	2128010-08
			9	DEA0010196	2128010-09
			10	DEA0010197	2128010-10
			11	DEA0010198	2128010-11
			12	DEA0010199	2128010-12
		360	7	DEA0010544	2136010-07
			8	DEA0010008	2136010-08
			9	DEA0010009	2136010-09
			10	DEA0010010	2136010-10
			11	DEA0010011	2136010-11
			12	DEA0010012	2136010-12
		410	7	DEA0010545	2141010-07
			8	DEA0010117	2141010-08
			9	DEA0010118	2141010-09
			10	DEA0010119	2141010-10
			11	DEA0010120	2141010-11
			12	DEA0010121	2141010-12

CLASS 3

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-E	RC	360	7	#N/A	#N/A
			8	DEA0010082	2136013-08
			9	DEA0010083	2136013-09
			10	DEA0010084	2136013-10
			11	DEA0010085	2136013-11
			12	DEA0010086	2136013-12
		410	7	#N/A	#N/A
			8	DEA0010092	2141013-08
			9	DEA0010093	2141013-09
			10	DEA0010094	2141013-10
			11	DEA0010095	2141013-11
			12	DEA0010096	2141013-12

CLASS 4

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-F	RC	410	7	#N/A	#N/A
			8	DEA0010102	2141014-08
			9	DEA0010103	2141014-09
			10	DEA0010104	2141014-10
			11	DEA0010105	2141014-11
			12	DEA0010106	2141014-12

CLASS 1

Product Series	Category	Length in mm	Palm Size	Ordering Code	Product Code
KL-C	RC	360	7	DEA0010546	2136011-07
			8	DEA0010043	2136011-08
			9	DEA0010044	2136011-09
			10	DEA0010045	2136011-10
			11	DEA0010046	2136011-11
			12	DEA0010047	2136011-12
		410	7	DEA0010547	2141011-07
			8	DEA0010687	2141011-08
			9	DEA0010054	2141011-09
			10	DEA0010055	2141011-10
			11	DEA0010056	2141011-11
			12	DEA0010057	2141011-12

EXAMPLE:
DEA0010018 = Ordering code 2128000-08 = 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).

