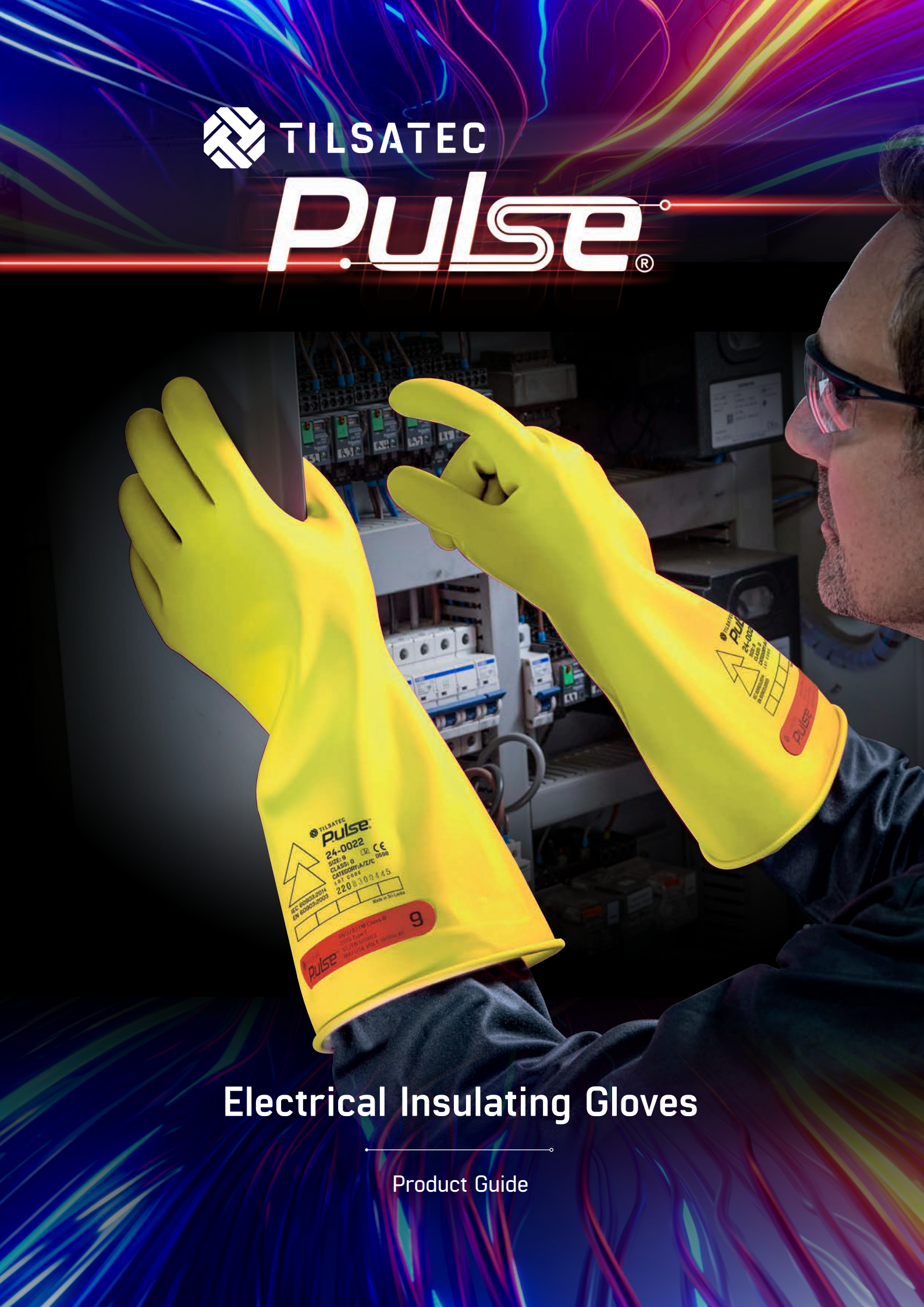
TILSATEC

Pulse®



Electrical Insulating Gloves

Product Guide

TILSATEC®

Tilsatec specialize in high performance hand and arm PPE, having delivered mechanical protection for workers in high hazard industries for over two decades.

With tremendous experience and expertise in engineering technical products with high value add performance, Tilsatec is well placed to serve the industries of tomorrow.

Rubber insulating gloves are one of the most critical items of PPE for electrical workers. The Tilsatec Pulse range is certified and tested according to ASTM D120 and IEC EN60903 under Category III Personal Protective Equipment and covered by Module D of the PPE Regulation (EU) 2016/425. These are products that protect against potentially deadly hazards or serious and irreversible injuries to health.

Pulse® Electrical Insulating Gloves from Tilsatec provide protection from electrical hazards for those working in electrical engineering and maintenance, EV manufacturing and servicing, telecoms, power utilities and other electrical applications. Designed to deliver maximum protection, performance, comfort and fit, Pulse® won't let you down.

Key Features

- Made from 100% natural high grade rubber latex
- Environmentally friendly dipping process free from the use of solvents
- Dual certified to both EN 60903 and ASTM D120
- Ergonomic design and finger shape minimizes hand fatigue
- Smooth chlorinated surface finish and rolled cuff edge aid donning and doffing
- Superior flexibility in cold environments
- Silicon free
- Manufacturing facility certified to ISO 9001: 2015 and ISO 14001:2015

Industries and Applications

The electrical resistant glove range are ideal for a large range of industry-specific market segments:

- EV MANUFACTURING AND MAINTENANCE
- ELECTRICAL & ELECTRONIC MANUFACTURING
- HEAVY MACHINERY & EQUIPMENT
- TELECOMMUNICATIONS
- POWER UTILITIES
- ELECTRICAL CONTRACTORS
- AUTOMOTIVE

Classes

Providing protection for low voltage and high voltage applications the range includes the following options:

LOW Voltage

- **Pulse® Class 00** Electrical Insulating Gloves maximum use voltage **500V** ac / **750V** dc, (28cm/11") and (36cm/14") in yellow/red/black
- **Pulse® Class 0** Electrical Insulating Gloves maximum use voltage **1000V** ac / **1500V** dc, (28cm/11") and (36cm/14") in yellow/red/black

HIGH Voltage

- **Pulse® Class 1** Electrical Insulating Gloves maximum use voltage **7,500V** ac / **11,250V** dc, (36cm/14") (41cm/16") and (46cm/18") in dual black/red or black/yellow
- **Pulse® Class 2** Electrical Insulating Gloves maximum use voltage **17,000V** ac / **25,500V** dc, (36cm/14") (41cm/16") and (46cm/18") in dual black/red or black/yellow
- **Pulse® Class 3** Electrical Insulating Gloves maximum use voltage **26,500V** ac / **39,750V** dc, (36cm/14") (41cm/16") and (46cm/18") in dual black/red or black/yellow
- **Pulse® Class 4** Electrical Insulating Gloves maximum use voltage **36,000** ac / **54,000V** dc, (41cm/16") and (46cm/18") in dual black/red or black/yellow

ASTM Performance

A - Acid **C -** Extreme low temperature **H -** Oil resistant **Z -** Ozone **R = A + Z + H**

CLASS	LENGTH INCH/CM		CATEGORIES	PROOF TEST VOLTAGE AC/DC	MAXIMUM USE VOLTAGE AC/DC	SIZES**	ARC
Class 00 Beige	28cm/11"	36cm/14"	A/Z/C	2.500/10.000	500/750	7-12	EN - APC1 ASTM - 2
Class 0 Red	28cm/11"	36cm/14"	A/Z/C	5.000/20.000	1.000/1.500	7-12	EN - APC2 ASTM - 2
Class 1 White	36cm/14", 41cm/16", 46cm/18"		R/C	10.000/40.000	7.500/11.250	7-12	EN - APC2 ASTM - 2
Class 2 Yellow	36cm/14", 41cm/16", 46cm/18"		R/C	20.000/50.000	17.000/25.500	7-12	EN - APC2 ASTM - 2
Class 3 Green	36cm/14", 41cm/16", 46cm/18"		R/C	30.000/60.000	26.500/39.750	7-12	EN - APC2 ASTM - 3
Class 4 Orange	41cm/16", 46cm/18"		R/C	40.000/70.000	36.000/54.000	8-12	EN - APC2 ASTM - 3

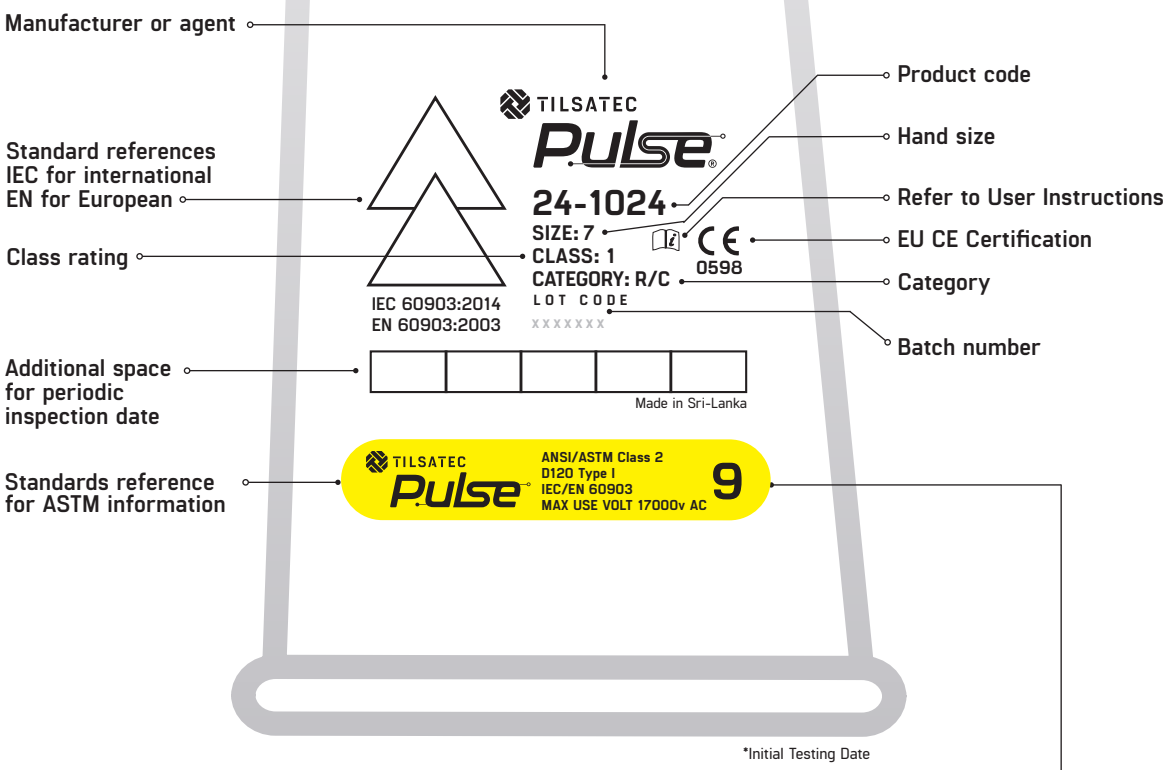
AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
**Including half sizes

EN 60903:2003

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

GLOBAL GLOVE MARKINGS

It is important to familiarize yourself with how product information, relevant standards and product codes are laid out on our products. Always check labelling before using your item of PPE to ensure it meets the standards required for your task.



Rubber glove label colour guide

Class 00 Beige

TILSATEC Pulse ANSI/ASTM Class 00 D120 Type I IEC/EN 60903 MAX USE VOLT 500v AC 9

Class 0 Red

TILSATEC Pulse ANSI/ASTM Class 0 D120 Type I IEC/EN 60903 MAX USE VOLT 1000v AC 9

Class 1 White

TILSATEC Pulse ANSI/ASTM Class 1 D120 Type I IEC/EN 60903 MAX USE VOLT 7500v AC 9

Class 2 Yellow

TILSATEC Pulse ANSI/ASTM Class 2 D120 Type I IEC/EN 60903 MAX USE VOLT 17000v AC 9

Class 3 Green

TILSATEC Pulse ANSI/ASTM Class 3 D120 Type I IEC/EN 60903 MAX USE VOLT 26500v AC 9

Class 4 Orange

TILSATEC Pulse ANSI/ASTM Class 4 D120 Type I IEC/EN 60903 MAX USE VOLT 36000v AC 9

Electrical Resistance

EN60903 is the standard to which electrically resistant gloves are tested. Gloves are subject to a number of checks as required by the standard. These include; composition checks, shape, dimensions, thickness, and workmanship and finish. The gloves must also pass mechanical requirements for tensile strength, elongation at break, tension set and puncture. There are ageing requirements where the gloves shall withstand mechanical testing after being exposed to high temperatures to simulate the effects of ageing. All gloves shall pass electrical requirements which involve carrying out proof and withstand voltage tests, along with the AC proof test current requirements according to their specific class.

Lastly, the gloves shall pass thermal requirements involving passing dielectric testing after exposure to low temperatures and also specific requirements for when in contact with flames.

The EN 60903 standard divides insulating gloves into 6 classes: 00, 0, 1, 2, 3 and 4 where the maximum use voltage recommended for each class of gloves is designated as:

Class	Proof test voltage AC/DC	Maximum use voltage AC/DC
00	2.500/10.000	500/750
0	5.000/20.000	1.000/1.500
1	10.000/40.000	7.500/11.250
2	20.000/50.000	17.000/25.500
3	30.000/60.000	26.500/39.750
4	40.000/70.000	36.000/54.000

Electrical resistant gloves are categorised for special properties that provides additional protection during electrical work:

Category	Resistant to
A	Acid
H	Oil
Z	Ozone
R	Acid, oil, ozone
C	Extremely low temperature

ASTM D120 Electrical Resistance

ASTM D120 is the standard specification for rubber insulating gloves. This specification covers the minimum electrical, chemical, and physical property requirements and the detailed procedures by which such properties are to be determined. The classes assigned are like those set out by the EN60903 standard; 00, 0, 1, 2, 3, and 4. The dielectric test method is also similar; however, the glove thickness requirements are different for gloves conforming to this ASTM standard. Physical properties to be tested include tensile strength, tensile stress, ultimate elongation, tension set, tear and puncture resistance and Shore A hardness.

Gloves covered under this specification are designated as Type I; non-resistant to ozone and made from high grade natural or synthetic rubber or Type II; ozone-resistant made of any elastomer or combination of elastomeric compounds.

Retesting of Electrical Gloves

For gloves of classes 00 and 0, national requirements under the EN60903 standard do not advise on any storage periods. It is considered adequate to check for air leaks and a visual inspection prior to use for gloves of this class. Voluntary dielectric testing can be conducted but is not a requirement.

Gloves of classes 1, 2, 3 and 4 can be stored up to 12 months from date of manufacturing as fully compliant. They may be issued anytime during this period but will only be valid for 6 months from date of issue into service. Any gloves of these classes that have not been issued into service and are older than 12 months from the manufacturing date, must be retested according to the relevant standard.

If gloves are found to be leaking, torn or damaged, they should be replaced immediately. National standards do not highlight an expiry date for products, and it is considered the end user's responsibility to ensure that gloves are thoroughly examined prior to use and stored accordingly to the supplied user instructions.

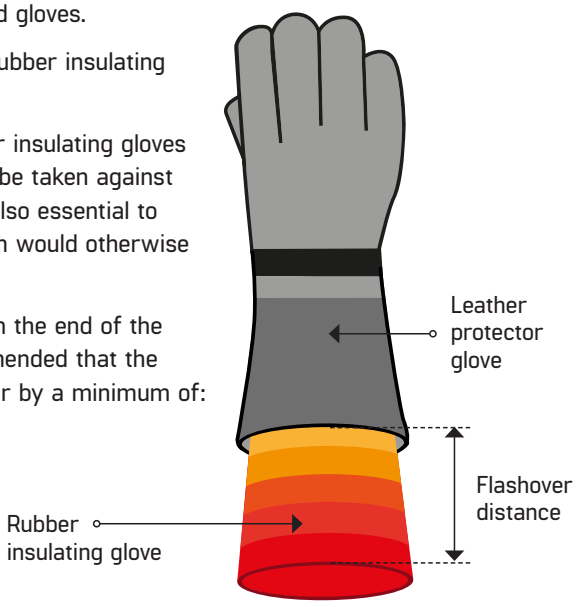
Precautions Before Use

- Inspect rubber insulating gloves' surface, inside and outside, daily or more often if used without leather protectors
- Do not wear rings, watches, jewellery or sharp objects on your hands or arms while wearing the gloves
- If at any stage the gloves come into contact with oils, fats, petrochemicals or organic solvents, they should immediately be washed (see "Storage & Cleaning" below) and submitted for laboratory testing before reuse
- If protective gloves other than rubber gloves are used together with this product, they must be worn over the rubber gloves
- Leather protectors and the rubber gloves must be inspected together at the same time. Follow the guidelines for the protector's inspection paying particular attention to: metal particles, any snagged wires or any other material that could abrade or compromise the integrity of the gloves
- Visually-Check for any physical damage, such as: abrasion marks, cracks, holes, nicks, tears, punctures, depressions, soft spots, stickiness, discolouration or any other blemishes
- Physically- Before the gloves are used, inflate the gloves by sealing the cuff and rolling the gloves over the seal. Apply pressure to different areas of the gloves. Carry out the visual inspection again, paying special attention to any air leakage

Precautions During Use

- Always use the rubber insulating gloves in the proper voltage class. The voltage class for these gloves can be found on the label, box, polybag and gloves.
- Leather protectors should always be worn over rubber insulating gloves to protect from physical damage.
- In the event that it is necessary to use the rubber insulating gloves without a leather protector, extreme care should be taken against punctures, abrasions or any other damage. It is also essential to wear gloves at least one voltage class higher than would otherwise be necessary (except for classes 00 and 0).
- Always ensure sufficient flashover cover between the end of the protector's and rubber glove's cuffs. It is recommended that the gloves should extend past the end of the protector by a minimum of:

  ½ an inch for class 0 and 00,
  1 inch for class I,
  2 inches for class 2,
  3 inches for class 3,
  4 inches for class 4.



Storage & Cleaning

- Store the gloves in their protective bag when not in use
- The gloves must be stored away from: moisture, direct sunlight, direct light and sources of ozone
- Recommended storage temperature is in the range of 10 to 35°C or 50 to 95°F
- Wash with a mild soap, rinse thoroughly with clean water, air dry away from direct sunlight or sources of heat
- Never press or fold the glove

TILSATEC

Pulse®

PRODUCT RANGE

Class 00

TILSATEC Pulse

ANSI/ASTM Class 00
D120 Type I
IEC/EN 60903
MAX USE VOLT 500v AC

9

Code	Length	Colour	Cuff	Cat	Proof	Max	Size**	EN Arc	ATPV Arc Rating
24-9010	28cm / 11"	Red	Straight / Beaded	A/Z/C	2.500/10.000	500/750	7-12	APC 1	8.4 cal/cm²
24-9011	28cm / 11"	Black	Straight / Beaded	A/Z/C	2.500/10.000	500/750	7-12	APC 1	8.4 cal/cm²
24-9012*	28cm / 11"	Yellow	Straight / Beaded	A/Z/C	2.500/10.000	500/750	7-12	APC 1	8.4 cal/cm²
24-9020	36cm / 14"	Red	Straight / Beaded	A/Z/C	2.500/10.000	500/750	7-12	APC 1	8.4 cal/cm²
24-9021	36cm / 14"	Black	Straight / Beaded	A/Z/C	2.500/10.000	500/750	7-12	APC 1	8.4 cal/cm²
24-9022*	36cm / 14"	Yellow	Straight / Beaded	A/Z/C	2.500/10.000	500/750	7-12	APC 1	8.4 cal/cm²

AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
*Stocked
**Including half sizes

Applications

- Power Utilities and Public Works
- Electric Public Transport Maintenance
- EV Battery Manufacturing and Assembly
- EV Aftermarket Service and Maintenance
- Excavation and Cable Laying
- Electrical Maintenance
- Cable Jointing
- Field services

EN Category description

A - Acid
Z - Ozone
C - Extreme low temperature

Packaging

1 pair p/polybag and individual box.
10 pairs p/carton

Certification

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

CE 0598

Class 0

TILSATEC Pulse 9

ANSI/ASTM Class 0
D120 Type I
IEC/EN 60903
MAX USE VOLT 1000v AC

Code	Length	Colour	Cuff	Cat	Proof	Max	Size**	EN Arc	ATPV Arc Rating
24-0010	28cm / 11"	Red	Straight / Beaded	A/Z/C	5.000/20.000	1.000/1.500	7-12	APC 2	8.5 cal/cm²
24-0011	28cm / 11"	Black	Straight / Beaded	A/Z/C	5.000/20.000	1.000/1.500	7-12	APC 2	8.5 cal/cm²
24-0012*	28cm / 11"	Yellow	Straight / Beaded	A/Z/C	5.000/20.000	1.000/1.500	7-12	APC 2	8.5 cal/cm²
24-0020	36cm / 14"	Red	Straight / Beaded	A/Z/C	5.000/20.000	1.000/1.500	7-12	APC 2	8.5 cal/cm²
24-0021	36cm / 14"	Black	Straight / Beaded	A/Z/C	5.000/20.000	1.000/1.500	7-12	APC 2	8.5 cal/cm²
24-0022*	36cm / 14"	Yellow	Straight / Beaded	A/Z/C	5.000/20.000	1.000/1.500	7-12	APC 2	8.5 cal/cm²

AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
*Stocked
**Including half sizes

Applications

- Power Utilities and Public Works
- Electric Public Transport Maintenance
- EV Battery Manufacturing and Assembly
- EV Aftermarket Service and Maintenance
- Excavation and Cable Laying
- Electrical Maintenance
- Cable Jointing
- Field services

EN Category description

A - Acid
Z - Ozone
C - Extreme low temperature

Packaging

1 pair p/polybag and individual box.
10 pairs p/carton

Certification

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

CE 0598

Class 1

TILSATEC Pulse

ANSI/ASTM Class 1
D120 Type I
IEC/EN 60903
MAX USE VOLT 7500v AC

9

Code	Length	Colour	Cuff	Cat	Proof	Max	Size**	EN Arc	ATPV Arc Rating
24-1024*	14" / 36cm	Dual Black/Red	Straight / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1025	14" / 36cm	Dual Black/Yellow	Straight / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1026	14" / 36cm	Dual Black/Red	Bell / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1027	14" / 36cm	Dual Black/Yellow	Bell / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1034	16" / 41cm	Dual Black/Red	Straight / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1035	16" / 41cm	Dual Black/Yellow	Straight / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1036	16" / 41cm	Dual Black/Red	Bell / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1037	16" / 41cm	Dual Black/Yellow	Bell / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1044	18" / 46cm	Dual Black/Red	Straight / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1045	18" / 46cm	Dual Black/Yellow	Straight / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1046	18" / 46cm	Dual Black/Red	Bell / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²
24-1047	18" / 46cm	Dual Black/Yellow	Bell / Beaded	R/C	10.000/40.000	7.500/11.250	7-12	APC 2	10.6 cal/cm²

AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
*Stocked
**Including half sizes

Applications

- Power Utilities and Public Works
- Electric Public Transport Maintenance
- EV Battery Manufacturing and Assembly
- EV Aftermarket Service and Maintenance
- Excavation and Cable Laying
- Electrical Maintenance
- Cable Jointing
- Field services

EN Category description

R - Acid, Ozone, Oil resistant

C - Extreme low temperature

Packaging

1 pair p/polybag and individual box.

10 pairs p/carton

Certification

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

CE 0598

Class 2

TILSATEC Pulse 9

ANSI/ASTM Class 2
D120 Type I
IEC/EN 60903
MAX USE VOLT 17000v AC

Code	Length	Colour	Cuff	Cat	Proof	Max	Size**	EN Arc	ATPV Arc Rating
24-2024*	36cm / 14"	Dual Black/Red	Straight / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2025	36cm / 14"	Dual Black/Yellow	Straight / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2026	36cm / 14"	Dual Black/Red	Bell / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2027	36cm / 14"	Dual Black/Yellow	Bell / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2034	41cm / 16"	Dual Black/Red	Straight / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2035	41cm / 16"	Dual Black/Yellow	Straight / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2036	41cm / 16"	Dual Black/Red	Bell / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2037	41cm / 16"	Dual Black/Yellow	Bell / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2044	46cm / 18"	Dual Black/Red	Straight / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2045	46cm / 18"	Dual Black/Yellow	Straight / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2046	46cm / 18"	Dual Black/Red	Bell / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²
24-2047	46cm / 18"	Dual Black/Yellow	Bell / Beaded	R/C	20.000/50.000	17.000/25.500	7-12	APC 2	21.0 cal/cm²

AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
*Stocked
**Including half sizes

Applications

- Power Utilities and Public Works
- Substation Installation
- Electric Driven Public Transport Maintenance
- Switchgear and Transformer Maintenance
- EV Battery Manufacturing and Assembly
- EV Aftermarket Service and Maintenance
- Overhead Power Line Maintenance and Repairs
- Excavation and Cable Laying

EN Category description

R - Acid, Ozone, Oil resistant

C - Extreme low temperature

Packaging

1 pair p/polybag and individual box.

10 pairs p/carton

Certification

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

CE 0598

Class 3

TILSATEC Pulse 9

ANSI/ASTM Class 3
D120 Type I
IEC/EN 60903
MAX USE VOLT 26500v AC

Code	Length	Colour	Cuff	Cat	Proof	Max	Size**	EN Arc	ATPV Arc Rating
24-3024*	36cm / 14"	Dual Black/Red	Straight / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3025	36cm / 14"	Dual Black/Yellow	Straight / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3026	36cm / 14"	Dual Black/Red	Bell / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3027	36cm / 14"	Dual Black/Yellow	Bell / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3034	41cm / 16"	Dual Black/Red	Straight / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3035	41cm / 16"	Dual Black/Yellow	Straight / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3036	41cm / 16"	Dual Black/Red	Bell / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3037	41cm / 16"	Dual Black/Yellow	Bell / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3044	46cm / 18"	Dual Black/Red	Straight / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3045	46cm / 18"	Dual Black/Yellow	Straight / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3046	46cm / 18"	Dual Black/Red	Bell / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²
24-3047	46cm / 18"	Dual Black/Yellow	Bell / Beaded	R/C	30.000/60.000	26.500/39.750	7-12	APC 2	40.5 cal/cm²

AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
*Stocked
**Including half sizes

Applications

- Power Utilities and Public Works
- Substation Installation
- Electric Driven Public Transport Maintenance
- Switchgear and Transformer Maintenance
- EV Battery Manufacturing and Assembly
- EV Aftermarket Service and Maintenance
- Overhead Power Line Maintenance and Repairs
- Excavation and Cable Laying

EN Category description

R - Acid, Ozone, Oil resistant

C - Extreme low temperature

Packaging

1 pair p/polybag and individual box.

10 pairs p/carton

Certification

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

CE 0598

Class 4

TILSATEC Pulse 9

ANSI/ASTM Class 4
D120 Type I
IEC/EN 60903
MAX USE VOLT 36000v AC

Code	Length	Colour	Cuff	Cat	Proof	Max	Size**	EN Arc	ATPV Arc Rating
24-4034*	41cm / 16"	Dual Black/Red	Straight / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4035	41cm / 16"	Dual Black/Yellow	Straight / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4036	41cm / 16"	Dual Black/Red	Bell / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4037	41cm / 16"	Dual Black/Yellow	Bell / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4044	46cm / 18"	Dual Black/Red	Straight / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4045	46cm / 18"	Dual Black/Yellow	Straight / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4046	46cm / 18"	Dual Black/Red	Bell / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²
24-4047	46cm / 18"	Dual Black/Yellow	Bell / Beaded	R/C	40.000/70.000	36.000/54.000	8-12	APC 2	36.2 cal/cm²

AC = Alternative Current (Flows both ways)
DC = Direct Current (Flows one way)
*Stocked
**Including half sizes

Applications

- Power Utilities and Public Works
- Substation Installation
- Electric Driven Public Transport Maintenance
- Switchgear and Transformer Maintenance
- EV Battery Manufacturing and Assembly
- EV Aftermarket Service and Maintenance
- Overhead Power Line Maintenance and Repairs
- Excavation and Cable Laying

EN Category description

R - Acid, Ozone, Oil resistant
C - Extreme low temperature

Packaging

1 pair p/polybag and individual box.
10 pairs p/carton

Certification

Manufactured and tested in accordance with IEC 60903, EN 60903 and ASTM D120.

CE 0598

Product Packaging

Each pair is supplied in an air sealed polybag and individual box.
Outer cases contain 10 pairs of individual pair boxes.

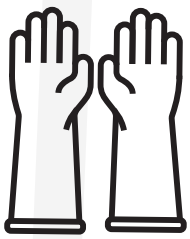
FSC

FSC recycled card wrap and outer cartons

Sizing

Selecting the correct size is key to getting the highest level of dexterity. Many sizes are available (7 to 12 depending on the class) you can find our hand size chart below to measure your hand and select the correct size. Pulse gloves are available In standard lengths of (28cm/11"), (36cm/14"), (41cm/16") and (46cm/18").

GLOVE SIZE GUIDE



Take the measurement around the hand as indicated (above) making sure not to include the thumb. To do this use a measuring tape or use a flexible length that can be straightened and measured against a standard ruler.

Use the conversion table below to find out the recommended size for use.

		CURRENT TILSATEC PULSE® SIZE RANGE					
Recommended Size	6	7	8	9	10	11	12
Hand Measurement (cm)	14	16	18	21	24	26	28

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