



TECHNICAL DATA SHEET

FR5G PRO

Arc Flash Resistant Gloves

Product Introduction:

- Udyogi FR5G PRO Arc Grip Gloves provide high-level protection against arc flash, burns, cuts, and heat hazards in industrial and electrical environments.
- Designed with a seamless engineered aramid liner and neoprene coating that ensures dexterity, grip, and multi-hazard safety for precise and safe operations.



Key Features:

- **Arc Flash Protection:** Glove tested to ASTM F2675-23 Cat II, limiting thermal energy transfer up to 9.5 cal/cm².
- **High Cut Resistance:** Level D cut performance per EN 388:2016 achieved through reinforced engineered aramid liner construction.
- **Flame & Heat Resistance:** Meets EN 407:4121XX for thermal resistance, providing protection against brief contact with flames, radiant heat, and molten metal splashes.
- **13-Gauge Engineered Liner:** Ensures mechanical strength, dexterity, and tactile sensitivity, allowing precise handling of small tools and components.
- **Neoprene Coating:** Heat resistant neoprene coating provides superior grip, abrasion durability, and resistance to oils, greases, and moisture.
- **Multi-Hazard Compliance:** Simultaneously addresses electrical arc, heat, flame, and cut hazards in industrial environments.

Performance – EN 388:2016 + EN 407:2020

Performance Level: 3X42D	Performance Level
Abrasion Resistance	3
Cut Resistance (Coup Test)	X
Tear Resistance	4
Puncture Resistance	2
Cut Resistance (TDM)	D
CE Cat. III	NB 2433
EN407:2020	4121XX
ANSI/ISEA 105	Cut Level - A4

Benefits:

- **Multi-Hazard Protection:** Combines cut resistance, and flame/heat protection, eliminating the need for layered protection and ensuring safety against electrical and mechanical risks.
- **High Protection Without Compromising Dexterity:** Neoprene coating delivers superior grip, flexibility, and precise hand movement compared to conventional arc or leather gloves.

Udyogi



Industry :

These Gloves are utilized for their protective and practical features in various industries such as



Arc Flash
Protection



Metal & Glass
Processing



Heavy-Duty
Assembly



Oil & Gas
Industry

Safety Information:

- Inspect gloves for damage or wear before each use Ensure
- proper sizing for optimal protection and performance
- Not suitable for chemical exposure or extremely high-heat environments

Usage Instructions

- Wear gloves with a proper fit for full protection
- Do not use torn or damaged gloves
- After use, inspect gloves for integrity before next use

Storage & Shelf Life

- Store in a cool, dry place away from direct sunlight and heat
- Recommended storage temperature: below 40°C

Packaging

120 Pairs per box