



ARC-FLASH PPE CATEGORIES



NFPA 70E Protective Clothing & Personal Protective Equipment (PPE)

For more detailed information or other options, refer to NFPA 70E 2018 for Electrical Safety in the Workplace.

*PPE requirements applicable to all categories are: hard hat, safety glasses/goggles, hearing protection (ear canal inserts) & leather footwear.

PPE Category 0 <1.2 cal/cm²	Untreated natural fiber	
	Shirt (long sleeve)	
	Pants (long)	
	Safety Glasses, Hearing Protection	
	Leather & voltage-rated gloves (as needed)	
PPE Category 1 1.2 — 4 cal/cm² Minimum	Arc-rated long sleeve shirt	
	Arc-rated pants or coverall	
	Arc-rated face shield with hard hat	
	Safety glasses & hearing protection	
	Leather & voltage-rated gloves (as needed)	
PPE Category 2 4.1 — 8 cal/cm² Minimum	Leather footwear	
	Arc-rated long-sleeve shirt & pants/overall	
	Arc-rated rain wear (as needed)	
	Arc-rated face shield & balaclava / arc flash suit & hard hat	
	Safety glasses & hearing protection	
	Leather & Arc-rated gloves (as needed)	
PPE Category 3 8.1 — 25 cal/cm² Minimum	Leather footwear	
	Arc-rated long-sleeve shirt & pants/overall	
	Arc-rated rain wear (as needed)	
	Arc-rated flash hood	
	Safety glasses & hearing protection	
	Leather & Arc-rated gloves (as needed)	
PPE Category 4 25.1 — 40 cal/cm² Minimum	Leather footwear	
	Arc-rated long-sleeve shirt & pants/overall	
	Arc-rated rain wear (as needed)	
	Arc-rated flash hood	
	Safety glasses & hearing protection	
	Leather & Arc-rated gloves (as needed)	

Arc Flash Pocket Guide

WJ Hussar

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

Arc Flash Pocket Guide:

The European Arc Flash Guide Mike Frain CEng FIET MCMI,2021-09-20 This book is essential reading for anyone responsible for designing or putting workers to task on or near large power electrical systems This is especially relevant where local health and safety law uses a risk based approach to electrical safety such as in Europe It is based upon a bedrock of risk management methodology using the 4Ps of Predict Prevent Process and Protect to ensure that arc flash hazards are systematically identified analysed and prevented from causing harm Each of the 4Ps are described in detail starting with a quantitative prediction of harm from the arc flash hazard and then a separate chapter on prevention based upon practical measures avoid or minimise harm set against a hierarchy of risk control measures The chapter on process policy and procedures gives advice on a methodical approach to creating rules and ensuring competence Finally the chapter on protection describes as a last resort how personal protective equipment can be selected used and maintained This book is packed with the fruits of the author s vast experience and there is a chapter dedicated to myths and mysteries as well as separate chapters for electrical utilities duty holders service providers contractors legislation and data collection

The European Arc Flash Guide Mike Frain CEng FIET MCMI,2021-09-20 This book is essential reading for anyone responsible for designing or putting workers to task on or near large power electrical systems This is especially relevant where local health and safety law uses a risk based approach to electrical safety such as in Europe rather than prescriptive standards in the USA and Canada It is based upon a bedrock of risk management methodology using the 4Ps of Predict Prevent Process and Protect to ensure that arc flash hazards are systematically identified analysed and prevented from causing harm Each of the 4Ps are described in detail starting with a quantitative prediction of harm from the arc flash hazard and then a separate chapter on prevention based upon practical measures avoid or minimise harm set against a hierarchy of risk control measures The chapter on process policy and procedures gives advice on a methodical approach to creating rules and ensuring competence Finally the chapter on protection describes as a last resort how personal protective equipment can be selected used and maintained This book is packed with the fruits of the author s vast experience and there is a chapter dedicated to myths and mysteries as well as separate chapters for electrical utilities duty holders service providers contractors legislation and data collection

Ugly's Electrical Desk Reference George V. Hart,2010-04-22 Ugly s Electrical Desk Reference is the perfect resource for electricians engineers contractors designers maintenance workers and instructors wanting fast access to essential information

The Complete First Aid Pocket Guide John Furst,2018-11-13 From minor cuts and burns to heart attacks and strokes this handy take anywhere guide gives you the knowledge and advice you need to recognize and respond to any medical emergency Be prepared for any medical emergency and handle it safely and efficiently with The Complete First Aid Pocket Guide Quickly identify signs and symptoms of a wide range of medical conditions and learn how to recognize the difference between a minor injury or illness and those that are more serious with this essential

handbook Each section of The Complete First Aid Pocket Guide includes a quick list of signs and symptoms to look for and step by step first aid instructions for dealing with each situation all in user friendly simple language that s easy to understand Medical issues covered include First aid basics including roles and responsibilities of a first aider managing an incident activating emergency services and infection control Lifesaving skills including the recovery position cardiopulmonary resuscitation CPR and use of an automated external defibrillator AED Minor injuries and conditions including soft tissue injuries splinters blisters eye injuries nosebleed diarrhea and vomiting Traumatic injuries including severe bleeding amputation shock fractures crush injuries burns and head and neck injuries Medical emergencies including heart attack stroke asthma anaphylaxis hypoglycemia meningitis seizures poisoning and emergency childbirth Environmental conditions including hypothermia frostbite heat stroke sunburn and lightning strike Pediatric emergencies and illnesses including assessing an unresponsive child or baby pediatric cardiopulmonary resuscitation CPR choking croup and febrile seizures First aid kit lists for home vehicles and outdoor use With an appendix featuring an A to Z list of every condition covered it s easy for you to quickly find the exact information you need in any situation you may face With its small trim and portable size The Complete First Aid Pocket Guide is the perfect addition to a home first aid kit car first aid kit disaster survival bag as well as a pocket companion for EMTs and other first responders in the field

Fundamentals of Sustainability in Civil Engineering Andrew Braham,Sadie Casillas,2020-12-20 This book provides a foundation to understand the development of sustainability in civil engineering and tools to address the three pillars of sustainability economics environment and society It includes case studies in the five major areas of civil engineering environmental structural geotechnical transportation and construction management This second edition is updated throughout and adds new chapters on construction engineering as well as an overview of the most common certification programs that revolve around environmental sustainability Features Updated throughout and adds two entirely new chapters Presents a review of the most common certification programs in sustainability Offers a blend of numerical and writing based problems as well as numerous application based examples that utilize concepts found on the Fundamentals of Engineering FE exam Includes several practical case studies Offers a solution manual for instructors Fundamentals of Sustainability in Civil Engineering is intended for upper level civil engineering sustainability courses A unique feature is that concepts found in the Fundamentals of Engineering FE exam were targeted to help senior level students refresh and prepare

A User's Guide to Electrical PPE Ray A. Jones,Jane G. Jones,2008 The information in this book could save your life or that of a coworker Personal Protective Equipment PPE is that final barrier between you and a complete electrical circuit sometimes a deadly enemy Leading safety expert and Chairman of the NFPA 70E Committee Ray A Jones introduces readers to protective clothing tools equipment and proper usage With informative explanations of NFPA 70E and discussions on how to comply with OSHA regulations A User s Guide to Electrical PPE is an essential handbook for electricians and their employers **BOOK JACKET** **OHS Canada** ,2005 **The Flash Book** Scott

Kelby,2017-11-04 **Safety Meetings Fifth Ed.: A Supervisor's Guide Based on the Elevator Industry Field
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