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Product Bulletin

Arc Flash Labeling Solutions

Panduit Arc Flash Labeling Solutions are designed to comply with the latest regulations including the 2012 NFPA 70E Standard, also called Electrical Safety in the Workplace. Panduit solutions provide comprehensive identification of hazardous energy throughout the infrastructure to protect employees and equipment. Labels are available in pre-printed, print-on-demand, and custom printed versions for flexibility in indoor and outdoor applications.

New Standards and Requirements

Standards	2012 NFPA 70E 130.3 (C)	2011 NFPA National Electric Code 110.16	2012 CSA Z462 4.3.5.4
Requirements	"Equipment Labeling. Electrical equipment* shall be field marked with a label containing all the following Information: (1) At least one of the following: a. Available incident energy and corresponding working distance b. Minimum arc rating of clothing c. Required level of PPE d. Highest Hazard/Risk Category (HRC) for the equipment (2) Nominal system voltage (3) Arc flash boundary Exception: Labels applied prior to September 30, 2011, are acceptable if they contain the available incident energy or required level of PPE. The method of calculating and data to support the information for the label shall be documented."	"Arc-Flash Hazard Warning. Electrical equipment* shall be field marked to warn qualified persons of potential electric arc flash hazards. The markings shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing, or maintenance of the equipment."	"Equipment Labeling. Electrical equipment* shall be field marked with a label containing all the following information. (a) at least one of the following: (i) available incident energy and the corresponding working distance; (ii) minimum arc-rating of PPE; (iii) required level of PPE; or (iv) highest hazard/risk category for the equipment; (b) nominal system voltage; (c) arc flash boundary; and (d) date of the hazard analysis. The method of calculating and data to support the information for the label shall be documented. Labels applied prior to the effective date of this edition of this Standard are acceptable if they contain the available incident energy or required level of PPE."

*Electrical equipment, such as switchboards, panel boards, industrial motor control panels, meter socket enclosures, and motor control centers, that are in other than dwelling occupancies, and are likely to require examination, adjustment, servicing, or maintenance while energized.

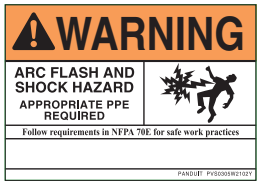
Key Features	Benefits
Complies with the latest NFPA standards and meets OSHA requirements**	Mitigates the risk of fines and accidents by increasing workplace visual communication
NEW! **Personal Protective Equipment (PPE) listing and pictogram labels**	Provide quick visual identification of needed PPE along with required technical information in one label to aid in compliance with the NFPA 70E standards
NEW! **Bilingual label formats available**	Two languages on one label; English and Spanish or English and French to ensure employee safety in a multiple language environment
NEW! **Raised Panel Labels**	Crisp, clear, and durable legends; ideal for extended use in harsh environments
Complete system for arc flash labeling includes software, printers, and labels	Allows user the ease and flexibility to create and print the desired labels on-demand
Highly visible colors and headers with universal hazard symbols displaying critical information	Provide employees the highest degree of safety through proper identification and communication

** 2012 NFPA 70E and 2011 NEC.

NEC Warning Labels

NEC Warning Labels aid in compliance with Article 110.16 of the National Electric Code by providing clearly visible hazard information to warn qualified persons of potential electric arc flash hazards.

Basic

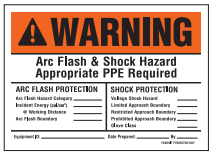


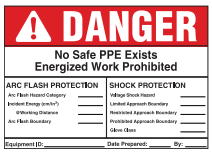
Standard

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Basic			
PPS0204W2100	4.50" x 2.25" (114.3mm x 57.2mm), black/orange, adhesive polyester sign, “WARNING”. Potential Arc Flash Hazard.	5	100
PPS0204W2100-F	4.50" x 2.25" (114.3mm x 57.2mm), black/orange, adhesive polyester sign, “WARNING”. Potential Arc Flash Hazard, written in French.	5	100
PPS0305W2100	3.50" x 5.00" (88.9mm x 127.0mm), black/orange, adhesive polyester sign, “WARNING”. Potential Arc Flash Hazard.	5	50
PPS0507W2100	5.00" x 7.00" (127.0mm x 177.8mm), black/orange, adhesive polyester sign, “WARNING”. Potential Arc Flash Hazard.	5	50
PPS0507W2100-F	5.00" x 7.00" (127.0mm x 177.8mm), black/orange, adhesive polyester sign, “WARNING”. Potential Arc Flash Hazard, written in French.	5	50
Standard			
PVS0305W2102Y	3.50" x 5.00" (88.9mm x 127.0mm), WARNING (Header) orange and black, adhesive vinyl sign, “WARNING”. ARC Flash and Shock Hazard.	5	50
PVS0305W2102Y-S	3.50" x 5.00" (88.9mm x 127.0mm), WARNING (Header) orange and black, adhesive vinyl sign, “WARNING”. ARC Flash and Shock Hazard. Written in Spanish.	5	50

NFPA 70E Arc Flash Labels

NFPA 70E Arc Flash Labels provide all the detailed information needed for compliance with the 2012 NFPA 70E standard. These labels are available with WARNING or DANGER headers, universal hazard symbols and clear, concise, hazard descriptions. Labels are constructed of vinyl material (PVS) that accepts handwritten hazard information by using Panduit permanent black marking pens (PFX-0).





Detailed

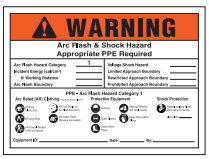
Compact

Detailed Bilingual

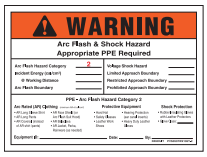
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Detailed			
PVS0305W2103Y	3.50" x 5.00" (88.9mm x 127.0mm), WARNING (Header) orange and black, adhesive vinyl sign, “WARNING”. Potential Arc Flash and Shock Hazard with detailed write-on area.	5	100
PVS0305D2101Y	3.50" x 5.00" (88.9mm x 127.0mm), DANGER (Header) red and white, adhesive vinyl sign, “DANGER”. Potential Arc Flash Exists with detailed write-on area.	5	50
PVS0507W2103Y	5.00" x 7.00" (127.0mm x 177.8mm), WARNING (Header) orange and black, adhesive vinyl sign, “WARNING”. Potential Arc Flash and Shock Hazard with detailed write-on area.	5	100
PVS0507D2101Y	5.00" x 7.00" (127.0mm x 177.8mm), DANGER (Header) red and white, adhesive vinyl sign, “DANGER”. Potential Arc Flash Exists with detailed write-on area.	5	50
Compact			
PVS0204W2103Y	2.25" x 4.50" (57.2mm x 114.3mm), WARNING (Header) orange and black, adhesive vinyl sign, “WARNING”. Potential Arc Flash and Shock Hazard with detailed write-on area.	5	100
PVS0204D2101Y	2.25" x 4.50" (57.2mm x 114.3mm), DANGER (Header) red and white, adhesive vinyl sign, “DANGER”. Potential Arc Flash Exists with detailed write-on area.	5	100
Detailed Bilingual			
PVS0705W2105Y-S	7.00" x 5.00" (177.8mm x 127.0mm), WARNING (Header) orange and black, adhesive vinyl sign, “WARNING”. Arc Flash and Shock Hazard, with detailed write-on area. Written in English and Spanish.	5	100
PVS0705D2105Y-S	7.00" x 5.00" (177.8mm x 127.0mm), DANGER (Header) red and white, adhesive vinyl sign, “DANGER”. Arc Flash and Shock Hazard, with detailed write-on area. Written in English and Spanish.	5	100

Arc Flash Labels with (PPE) Pictograms and Listings

Arc flash labels with detailed PPE information that is compliant with the 2012 NFPA 70E standard. These labels provide a helpful guide for employees to select PPE appropriate to the electrical hazard. PPE information is customized based on the specific hazard risk category. Labels are constructed of vinyl material (PVS) that accepts handwritten hazard information by using Panduit permanent black marking pens (PFX-0).



Detailed with PPE Pictograms



Detailed with PPE Listing

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
Detailed with PPE Pictograms			
PVS0507W2104Y-0	PPE Pictograms for Hazard Risk Category 0.	5	100
PVS0507W2104Y-1	PPE Pictograms for Hazard Risk Category 1.	5	100
PVS0507W2104Y-2	PPE Pictograms for Hazard Risk Category 2.	5	100
PVS0507W2104Y-3	PPE Pictograms for Hazard Risk Category 3.	5	100
PVS0507W2104Y-4	PPE Pictograms for Hazard Risk Category 4.	5	100
Detailed with PPE Listing			
PVS0507W2106Y-0	PPE Listing for Hazard Risk Category 0.	5	100
PVS0507W2106Y-1	PPE Listing for Hazard Risk Category 1.	5	100
PVS0507W2106Y-2	PPE Listing for Hazard Risk Category 2.	5	100
PVS0507W2106Y-3	PPE Listing for Hazard Risk Category 3.	5	100
PVS0507W2106Y-4	PPE Listing for Hazard Risk Category 4.	5	100

Panduit offers a variety of durable polyester label options for use with the TDP43ME Printer to create customized Arc Flash labels. If additional protection is desired for printed Arc Flash labels due to harsh environments or UV fading, clear overlaminate sheets (T200X000YK1, T225X000YK1, T400X000YK1, and T425X000YK1) are also available.

C400X400A11 **C400X400A51** **C400X400YZ1** **C400X600A51** **C400X600YZ1** **C400X600YX1** **T400X000A91** **T400X000YX1**

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
C200X400A51	2.00" x 4.00" (50.8mm x 101.6mm), polyester safety label, WARNING (Header) orange and black, 250 labels per roll.	1	4
C200X400YZ1	2.00" x 4.00" (50.8mm x 101.6mm), polyester safety label, DANGER (Header) red and white, 250 labels per roll.	1	4
C400X400A11*	4.00" x 4.00" (101.6mm x 101.6mm), polyester safety label, orange header, green footer, 250 labels per roll.	1	4
C400X400A21*	4.00" x 4.00" (101.6mm x 101.6mm), polyester safety label, orange header, yellow footer, 250 labels per roll.	1	4
C400X400A31*	4.00" x 4.00" (101.6mm x 101.6mm), polyester safety label, orange header, red footer, 250 labels per roll.	1	4
C400X400A51	4.00" x 4.00" (101.6mm x 101.6mm), polyester safety label, WARNING (Header) orange and black, 250 labels per roll.	1	4
C400X400YZ1	4.00" x 4.00" (101.6mm x 101.6mm), polyester safety label, DANGER (Header) red and white, 250 labels per roll.	1	4
C400X600A51	4.00" x 6.00" (101.6mm x 152.4mm), polyester safety label, WARNING (Header) orange and black, 100 labels per roll.	1	4
C400X600YX1	4.00" x 6.00" (101.6mm x 152.4mm), polyester arc flash label, orange header, 100 labels per roll.	1	4
C400X600YZ1	4.00" x 6.00" (101.6mm x 152.4mm), polyester safety label, DANGER (Header) red and white,100 labels per roll.	1	4
Arc Flash Print On-Demand Continuous Tape			
T400X000A91	4.00" x 50.00' (101.6mm x 15.2m), polyester arc flash tape, red header.	1	4
T400X000YX1	4.00" x 50.00' (101.6mm x 15.2m), polyester arc flash tape, orange header.	1	4

*It is suggested to use the green footer for Hazard Risk Categories 0 and 1, the yellow footer for categories 2 and 3, and the red footer for categories 4 and Danger.

The TDP43ME desktop printer, designed to work with Panduit labeling software and media, quickly creates high-quality printed identification for Industrial Automation, Network Infrastructure, OEM, MRO, and Construction applications. This easy to set-up and operate printer, produces crisp, clear, durable printed legends on wire and cable markers, terminal block labels, conduit and voltage markers, control panel labels, patch panel labels, safety signs, pipe markers and arc flash labels.

Part Number	Part Description	Std. Pkg. Qty.
TDP43ME	300 dpi printer; includes printer, Panduit ® Easy-Mark ™ Labeling Software, RMEH4BL hybrid black ribbon, AC power adapter with US power cord, USB cable, user manual, quick start card, and driver disk.	1

Easy-Mark™ Labeling Software

Easy-Mark™ Labeling Software simplifies label creation for the specific needs of your applications. Intuitive interview process allows automatic generation of arc flash labels as well as other signs and markers. Software selects and formats the optimum label for your specific project. WYSIWYG (What You See Is What You Get) user interface, alpha/numeric serialization, data import, symbol import.

Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
PROG-EMCD3	Easy-Mark™ Labeling Software, CD-ROM.	1	10
PROG-EM2GO	Easy-Mark™ Portable Application, USB Flash Drive.	1	10

Arc Flash Labeling Applications Using TDP43ME and Easy-Mark™ Labeling Software

Detailed arc flash template from Easy-Mark™ Labeling Software using C400X600A51 label.

Compact and Logo arc flash template from Easy-Mark™ Labeling Software using C400X400A51 label.

Compact arc flash template from Easy-Mark™ Labeling Software using C400X400YZ1 label.

Detailed Bilingual arc flash template from Easy-Mark™ Labeling Software using C400X600YX1 label.

Custom Printed Arc Flash Labels

If your application demands custom printed information for your arc flash labeling, Panduit offers many options of custom printed arc flash labels. Fill out the custom arc flash label order form with your specific values, information, and even a company logo, and Panduit will create and print the specified label. Look for the icon below at **www.panduit.com/safety** to download electronic copies of the Custom Arc Flash Label order form.

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

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Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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http://moschip.ru/get-element

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9