

# 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
<b>Requirements</b>	<p>"Equipment Labeling. Electrical equipment" shall be field marked with a label containing all the following information:</p> <ul style="list-style-type: none"> <li>(1) At least one of the following:                             <ul style="list-style-type: none"> <li>a. Available incident energy and corresponding working distance</li> <li>b. Minimum arc rating of clothing</li> <li>c. Required level of PPE</li> <li>d. Highest Hazard/Risk Category (HRC) for the equipment</li> </ul> </li> <li>(2) Nominal system voltage</li> <li>(3) Arc flash boundary</li> </ul> <p>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."</p>	<p>"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."</p>	<p>"Equipment Labeling. Electrical equipment" shall be field marked with a label containing all the following information:</p> <ul style="list-style-type: none"> <li>(a) at least one of the following:                             <ul style="list-style-type: none"> <li>(i) available incident energy and the corresponding working distance;</li> <li>(ii) minimum arc-rating of PPE;</li> <li>(iii) required level of PPE; or</li> <li>(iv) highest hazard/risk category for the equipment;</li> </ul> </li> <li>(b) nominal system voltage;</li> <li>(c) arc flash boundary; and</li> <li>(d) date of the hazard analysis.</li> </ul> <p>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."</p>

\*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

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

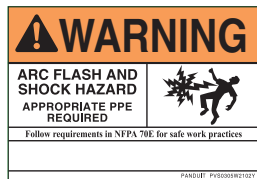
\*\* 2012 NFPA 70E and 2011 NEC.

# 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

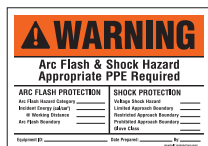


Standard

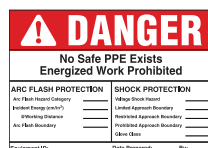
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>Basic</b>			
PPS0204W2100	4.50" x 2.25" (114.3mm x 57.2mm), black/orange, adhesive polyester sign, "WARNING". Potential Arc Flash Hazard.	5	100
PPS0204W2100-F	4.50" x 2.25" (114.3mm x 57.2mm), black/orange, adhesive polyester sign, "WARNING". 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
<b>Standard</b>			
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

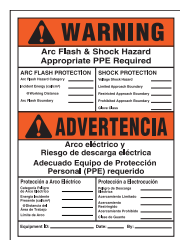
NFPA 70E Arc Flash Labels provide all the detailed information needed for compliance with the 2012 NFPA 70E standard. These labels are available with WARNING or DANGER headers, universal hazard symbols and clear, concise, hazard descriptions. Labels are constructed of vinyl material (PVS) that accepts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



Detailed



Compact

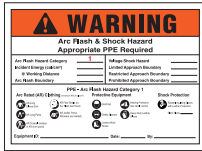


Detailed Bilingual

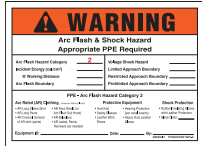
Part Number	Part Description	Std. Pkg. Qty.	Std. Ctn. Qty.
<b>Detailed</b>			
PVS0305W2103Y	3.50" x 5.00" (88.9mm x 127.0mm), WARNING (Header) orange and black, adhesive vinyl sign, "WARNING". Potential Arc Flash and Shock Hazard with detailed write-on area.	5	100
PVS0305D2101Y	3.50" x 5.00" (88.9mm 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
<b>Compact</b>			
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
<b>Detailed Bilingual</b>			
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.
<b>Detailed with PPE Pictograms</b>			
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
<b>Detailed with PPE Listing</b>			
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.



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



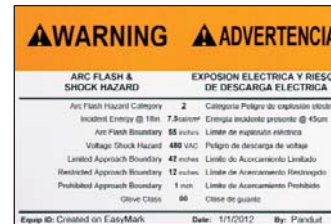
Detailed arc flash template from Easy-Mark™ Labeling Software using C400X600A51 label.



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



Compact arc flash template from Easy-Mark™ Labeling Software using C400X400Y21 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](http://www.panduit.com/safety) to download electronic copies of the Custom Arc Flash Label order form.



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or by phone: 800.777.3300 and reference IDC861



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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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