



[www.BradyID.com/arcflash](http://www.BradyID.com/arcflash)

# Arc Flash Solutions

- Stock Labels
- Make-it-yourself Solutions
- Training Aids
- Arc Flash Facts

# Arc Flash Fact Sheet

## Arc Flash Hazard Categories & Personal Protection Requirements

Taken from NFPA 70E, Standard for Electrical Safety in the Workplace

Hazard Category	Required Flash Protection Equipment*	Incident Energy cal/cm <sup>2</sup>
<b>Hazard Category 0</b>		
0	Longsleeve Shirt & Long Pants (natural fibers)	n/a
0	Safety Glasses or Safety Goggles	n/a
0	Hearing Protection (Ear Canal Inserts)	n/a
0	Leather Gloves (as needed)	n/a
<b>Hazard Category 1</b>		
1	Arc-Rated Longsleeve Shirt & Long Pants (or Arc-Rated Coverall)	4
1	Arc-Rated Face Shield or Arc Flash Hood	4
1	Arc-Rated Jacket, Parka, Rain Wear or Hard Hat Liner (as needed)	4
1	Hard Hat	4
1	Safety Glasses or Safety Goggles	4
1	Hearing Protection (Ear Canal Inserts)	4
1	Leather Gloves	4
1	Leather Work Shoes (as needed)	4
<b>Hazard Category 2</b>		
2	Arc-Rated Longsleeve Shirt & Long Pants (or Arc-Rated Coverall)	8
2	Arc-Rated Face Shield or Arc Flash Hood	8
2	Arc-Rated Jacket, Parka, Rain Wear or Hard Hat Liner (as needed)	8
2	Hard Hat	8
2	Safety Glasses or Safety Goggles	8
2	Hearing Protection (Ear Canal Inserts)	8
2	Leather Gloves	8
2	Leather Work Shoes	8
<b>Hazard Category 3</b>		
3	Arc-Rated Longsleeve Shirt & Long Pants (or Arc-Rated Coverall)	25
3	Arc-Rated Arc Flash Suit Jacket & Pants	25
3	Arc-Rated Arc Flash Hood	25
3	Arc-Rated Jacket, Parka, Rain Wear or Hard Hat Liner (as needed)	25
3	Hard Hat & Arc-Rated Hard Hat Liner	25
3	Safety Glasses or Safety Goggles	25
3	Hearing Protection (Ear Canal Inserts)	25
3	Leather Work Shoes	25
3	Arc-Rated Gloves	25
<b>Hazard Category 4</b>		
4	Arc-Rated Longsleeve Shirt & Long Pants (or Arc-Rated Coverall)	40
4	Arc-Rated Arc Flash Suit Jacket & Pants	40
4	Arc-Rated Arc Flash Hood	40
4	Arc-Rated Jacket, Parka, Rain Wear or Hard Hat Liner (as needed)	40
4	Hard Hat & Arc-Rated Hard Hat Liner	40
4	Safety Glasses or Safety Goggles	40
4	Hearing Protection (Ear Canal Inserts)	40
4	Leather Work Shoes	40
4	Arc-Rated Gloves	40

\* Arc Rating of PPE should correspond with the Hazard level and Incident Energy present. Voltage-rated gloves and other shock protection may also be required when working on exposed energized electrical parts.



**OSHA is citing for arc flash violations. Know the requirements!**

### NFPA 70E Standard For Electrical Safety In The Workplace, 2012

#### 130.3 (C) Equipment Labeling

Electrical equipment that is in other than dwelling units, and is likely to require examination, adjustment, servicing, or maintenance while energized, shall be field marked with a label containing all the following information:

- (1) At least one of the following: Available incident energy with corresponding working distance, Minimum arc rating of clothing, Required level of PPE, and/or Highest Hazard/Risk Category (HRC) for the equipment.
- (2) Nominal system voltage.
- (3) Arc flash boundary rating.

### NFPA 70 National Electric Code, 2012

#### 110.16 Flash Protection

Switchboards, panelboards, industrial 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 shall be field marked to warn qualified persons of potential electric arc flash hazards. The marking shall be located so as to be clearly visible to qualified persons before examination, adjustment, servicing, or maintenance of the equipment.



**For more information visit:**

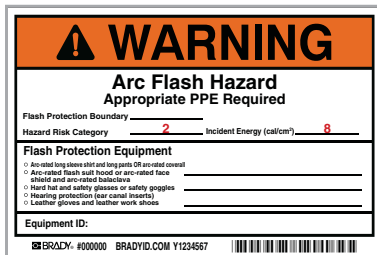
[www.BradyID.com/arcflash](http://www.BradyID.com/arcflash)

# Brady Stock Labels

Brady offers a variety of stock label formats. Basic warning and danger labels meet all OSHA and NFPA requirements, or for more complete accident prevention use write-on labels and fill in the appropriate hazard and safety information.

## Arc Flash Labels with Pre-printed Hazard Categories

- Labels come with the hazard category and PPE requirements preprinted
- Write-in areas for specifics such as min arc rating, flash protection boundary, etc.
- B-7569 Vinyl can be written on with pen or marker.



4" x 6" Arc flash hazard



5" x 7" Arc flash & shock hazard

Part #	Header	Hazard	Size	Quantity
121095	Warning	0	4" x 6"	5/pack
121097	Warning	1	4" x 6"	5/pack
121099	Warning	2	4" x 6"	5/pack
121101	Warning	3	4" x 6"	5/pack
121103	Warning	4	4" x 6"	5/pack
121096	Danger	0	4" x 6"	5/pack
121098	Danger	1	4" x 6"	5/pack
121100	Danger	2	4" x 6"	5/pack
121102	Danger	3	4" x 6"	5/pack
121104	Danger	4	4" x 6"	5/pack

Part #	Header	Hazard	Size	Quantity
121083	Warning	0	5" x 7"	5/pack
121085	Warning	1	5" x 7"	5/pack
121087	Warning	2	5" x 7"	5/pack
121091	Warning	3	5" x 7"	5/pack
121093	Warning	4	5" x 7"	5/pack
121084	Danger	0	5" x 7"	5/pack
121086	Danger	1	5" x 7"	5/pack
121088	Danger	2	5" x 7"	5/pack
121092	Danger	3	5" x 7"	5/pack
121094	Danger	4	5" x 7"	5/pack



**Learn more with our Arc Flash Whitepaper**

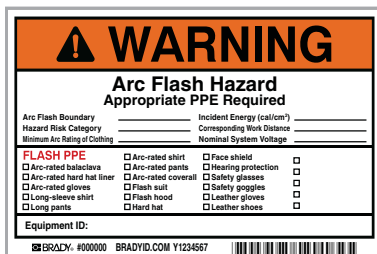
Download the Arc Flash Labeling Whitepaper to learn more details about compliance regulations, labeling standards, best practices and more.

Download by visiting [www.BradyID.com/arcflash](http://www.BradyID.com/arcflash)



## Write-On Arc Flash Labels

- Write-in areas for equipment-specific information like flash protection boundary, hazard category, and required PPE.
- B-7569 Vinyl can be written on with pen or marker.



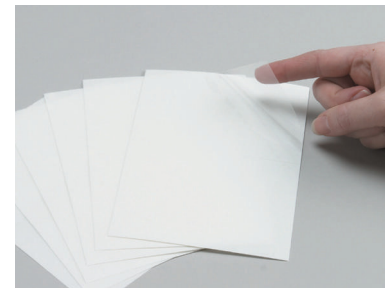
4" x 6" Arc flash hazard



5" x 7" Arc flash & shock hazard

Part #	Header	Size	Quantity
121079	Warning	4" x 6"	5/pack
121080	Danger	4" x 6"	5/pack

Part #	Header	Size	Quantity
121077	Warning	5" x 7"	5/pack
121078	Danger	5" x 7"	5/pack



## Protective Overlamine for Write-on Labels

1.5 mil clear polyester overlamine sheets help protect handwritten data on vinyl labels from chemicals and abrasion. Sheets have an acrylic layflat liner.

Part #	Size	Quantity
99272	4.5" x 6.5"	25/pack
99276	5.5" x 7.5"	25/pack

# Brady Make-it-Yourself Printing Systems

Brady's Make-it-Yourself printing systems feature Brady's Performance 300 dpi Thermal Transfer Printers optimized to print Brady Media and your Arc Flash labeling requirements. The printers are designed to be a convenient, flexible and cost-effective way to create, modify and print labels on demand.



## Brady IP™ Thermal Transfer Printer

Brady's IP™ Thermal Transfer Printer is a new, smart solution for high-performance printing. The Brady IP™ Printer is a fully integrated, easy-to-use printer, material, and software system. Smart Cell technology allows the printer, materials, and ribbon to communicate with each other. The system offers material recognition, automatic formatting, and user-friendly printer features for labels, sleeves, and tags.

### Brady IP™ Thermal Transfer Printer

Part #	Description
BP-IP300	Brady IP 300 dpi Printer
BP-IP300-C	Brady IP 300 dpi Printer with cutter
BP-IP600	Brady IP 600 dpi Printer
BP-IP600-C	Brady IP 600 dpi Printer with cutter
IP-R6000	Brady IP Printer Ribbon, Black



## BradyPrinter™ PR Plus Printer

The BradyPrinter PR Plus is a high performance, heavy duty industrial thermal transfer printer designed to last in industrial environments. For enhanced usability, the thermal transfer printer features an easy-to-read graphic and alphanumeric LCD menu display with a convenient navigator pad and a backlit graphic display for fast, easy access to menu options. The printer offers the barcoding and graphics features you need in a durable, high-volume printer that's easy to use.

### BradyPrinter™ PR Plus Printer

Part #	Description
BP-PR300+	PR300 Plus 300 dpi Printer
BP-PR300+-PPR	PR300 Plus 300 dpi Printer with Peel & Present
BP-PR360+	PR360 Plus 300 dpi Printer
BP-PR360+-PPR	PR360 Plus 300 dpi Printer with Peel & Present
BP-PR600+	PR600 Plus 600 dpi Printer
BP-PR600+-PPR	PR600 Plus 600 dpi Printer with Peel & Present
PR+-AutoCutter-FI	PR+ Field Installable Cutter CU4

**!** Brady printers can print from eTap or SKM third-party software.



### Pre-printed Header Labels for IP and PR Plus Printers

Part #	Size	Description
THTEL-184-483-1-DA	3" x 3"	Pre-Printed Danger Header Labels
THTEL-25-483-1-DA	4" x 6"	Pre-Printed Danger Header Labels
THTEL-161-483-1-DA	4" x 4"	Pre-Printed Danger Header Labels
THTEL-184-483-1-WA	3" x 3"	Pre-Printed Warning Header Labels
THTEL-25-483-1-WA	4" x 6"	Pre-Printed Warning Header Labels
THTEL-161-483-1-WA	4" x 4"	Pre-Printed Warning Header Labels

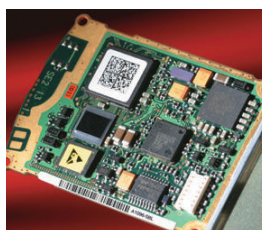
Brady's benchtop printers are also ideal for:



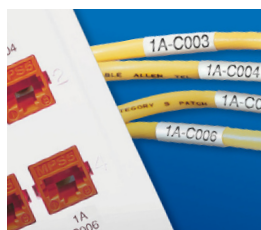
Rating Plate



Industrial Bar Codes



General Identification



Wire & Cable Marking



Raised Panel Labels



**GLOBALMARK 2**  
INDUSTRIAL LABEL MAKER



**BBP 31**  
SIGN & LABEL PRINTER

## GlobalMark®2 Printer and BBP®31 Sign & Label Printer

Create your own custom signs, labels, pipemarkers, tags and more on demand with this easy to use, industrial label printer. Brady's advanced touch-screen technology, powered by a Microsoft Windows® CE operating system, makes producing professional labels fast and simple. Choose MarkWare™ Facility Identification Software to expand your label-making capabilities.

### GlobalMark®2 Printer

Part #	Description
76801	GlobalMark Color & Cut Printer
76800	GlobalMark MultiColor Printer
76771	GlobalMark Ribbon, Black/Orange
76762	GlobalMark Ribbon, Black/Red
51447	GlobalMark Ribbon, Black/Red/Orange/Blue

### BBP®31 Sign and Label Printer

Part #	Description
BBP31	BBP31 Sign & Label Printer
BBP31-ARCFLASH-KIT	BBP31 Printer w/ Arc Flash Supply Kit
B30KIT-ARCFLASH-W	Arc Flash Supply Kit for BBP31
B30-R10000	BBP31 Printer Ribbon, Black

### Pre-printed Header Labels GlobalMark®2

Part #	Size	Description
<b>Labels</b>		
76698	2.25" x 100'	Indoor/Outdoor White Vinyl Tape
76542	4" x 100'	Indoor/Outdoor White Vinyl Tape
76543	3" x 100'	Indoor/Outdoor White Vinyl Tape
113155	2.25" x 100'	Pre-Printed Red Stripe
113157	3" x 100'	Pre-Printed Red Stripe
113161	4" x 100'	Pre-Printed Red Stripe
113156	2.25" x 100'	Pre-Printed Orange Stripe
113158	3" x 100'	Pre-Printed Orange Stripe
113162	4" x 100'	Pre-Printed Orange Stripe
115774	2.25" x 100'	Pre-Printed Yellow Stripe
113159	3" x 100'	Pre-Printed Yellow Stripe
113163	4" x 100'	Pre-Printed Yellow Stripe

### Pre-printed Header Labels BBP®31

Part #	Size	Description
<b>Labels</b>		
B30-25-595-ANSIDA	4" x 6"	Danger Header Vinyl Tape
B30-241-595-ANSIDA	2.25" x 3"	Danger Header Vinyl Tape
B30-25-595-ANSIWA	4" x 6"	Warning Header Vinyl Tape
B30-241-595-ANSIWA	2.25" x 3"	Warning Header Vinyl Tape



**!** If you own eTap, SKM, or Easy Power software, you can print your arc flash labels directly from this software to your GlobalMark printer.

Brady Arc Flash templates also available to download at [www.BradyID.com/arcflash](http://www.BradyID.com/arcflash)

## The GlobalMark®2 Series and BBP®31 printers are also ideal for:



Pipe Markers



Panel & Switch ID



Right to Know



Equipment Identification



Lockout / Tagout

# Brady Arc Flash Training Aids

Promote awareness of the dangers associated with arc flash accidents and make sure your workers know how to protect themselves!

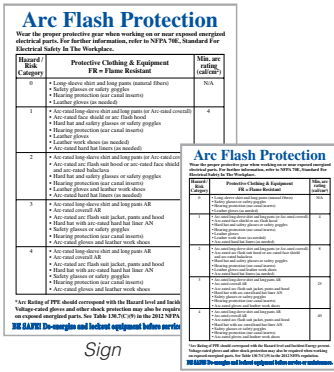


Poster

## Poster

- Highlights the common causes of arc flash and provides safe work practices and personal protection equipment requirements
- Laminated on both sides to stand up to industrial environments
- Full-color printing and eye-catching graphics for optimum visual impact

Catalog #	Size	Description	Quantity
104571	18" x 24"	Poster	1 each



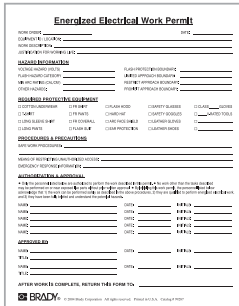
Sign

Label

## Sign & Label

- Post signs and labels in the work area and near electrical equipment to boost awareness and compliance
- Signs and labels specify the personal protection equipment required for each arc flash hazard category
- Sign: BradyTuff™ B-401 rigid plastic, laminated graphics  
Label: Self-sticking B-302 polyester with overlaminates

Catalog #	Size	Description	Quantity
102523	7" x 10"	Sign	1 each
102524	3.5" x 5"	Label	5/pack

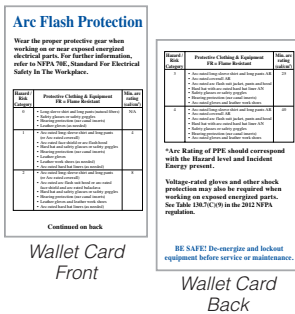


Work Permit

## Work Permit

- Meets NFPA 70E 130.1(A) requirements which mandate the use of a written permit when performing live electrical work
- 2-ply carbonless copy paper

Catalog #	Size	Description	Quantity
99287	8.5" x 11"	Permit	25/pack



Wallet Card Front

Wallet Card Back

## Wallet Card

- Ensure compliance and safety by providing each employee with their own arc flash wallet card
- Card specifies the personal protection equipment required for each arc flash hazard category
- Made of laminated cardstock, two-sided printing

Catalog #	Size	Description	Quantity
102525	2.1" x 3.4"	Card	10/pack

USA  
Customer Service: 1-888-272-3946  
Inside Sales: 1-888-311-0775  
www.BradyID.com

Canada  
Customer Service: 1-800-263-6179  
www.BradyCanada.ca

Mexico  
Customer Service: 1-800-262-7777  
Inside Sales: 1-800-262-7777 ext 177  
www.BradyLatinAmerica.com



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