BRADY®
WHEN PERFORMANCE MATTERS MOST™

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^2
Hazard Category 0		
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
Hazard Category 1		
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
Hazard Category 2		
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
Hazard Category 3		
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
Hazard Category 4		
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

work live

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

* 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.

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.
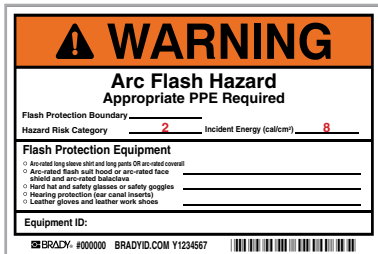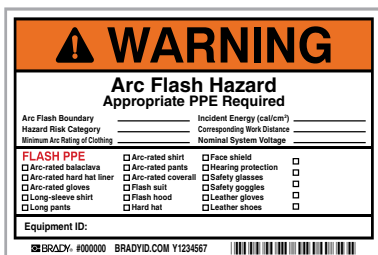
4" x 6" Arc flash hazard

5" x 7 " Arc flash & shock hazard

Part #	Header	Hazard	Size	Quantity
5RB84	Warning	0	4" x 6"	5/pack
5RB88	Warning	1	4" x 6"	5/pack
5RB92	Warning	2	4" x 6"	5/pack
5RB96	Warning	3	4" x 6"	5/pack
5RE10	Warning	4	4" x 6"	5/pack
5RB86	Danger	0	4" x 6"	5/pack
5RB90	Danger	1	4" x 6"	5/pack
5RB94	Danger	2	4" x 6"	5/pack
5RB98	Danger	3	4" x 6"	5/pack
5RE12	Danger	4	4" x 6"	5/pack

Part #	Header	Hazard	Size	Quantity
5RB67	Warning	0	5" x 7"	5/pack
5RB69	Warning	1	5" x 7"	5/pack
5RB71	Warning	2	5" x 7"	5/pack
5RB75	Warning	3	5" x 7"	5/pack
5RB77	Warning	4	5" x 7"	5/pack
5RB68	Danger	0	5" x 7"	5/pack
5RB70	Danger	1	5" x 7"	5/pack
5RB72	Danger	2	5" x 7"	5/pack
5RB76	Danger	3	5" x 7"	5/pack
5RB78	Danger	4	5" x 7"	5/pack

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

Protective Overlaminate for Write-on Labels

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

Part #	Header	Size	Quantity
5RB61	Warning	4" x 6"	5/pack
5RB62	Danger	4" x 6"	5/pack

Part #	Header	Size	Quantity
5RB59	Warning	5" x 7"	5/pack
5RB60	Danger	5" x 7"	5/pack

Part #	Size	Quantity
5RB51	4.5" x 6.5"	25/pack
5RB52	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.
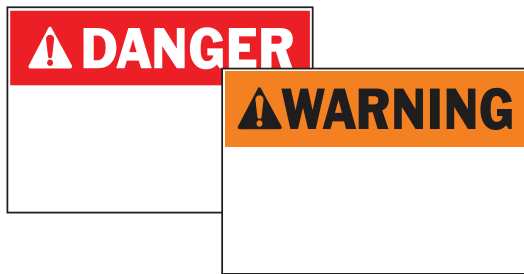
BradyPrinter™ PR Plus Printer

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.

Brady IP™ Thermal Transfer Printer

Part #	Description
2TYN8	Brady IP 300 dpi Printer
2TYN9	Brady IP 600 dpi Printer
2TYR1	Brady IP Printer Ribbon, Black

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

Pre-printed Header Labels for IP and PR Plus Printers

Part #	Size	Description
13K846	3" x 3"	Pre-Printed Danger Header Labels
13K850	4" x 6"	Pre-Printed Danger Header Labels
13K848	4" x 4"	Pre-Printed Danger Header Labels
13K847	3" x 3"	Pre-Printed Warning Header Labels
13K851	4" x 6"	Pre-Printed Warning Header Labels
13K849	4" x 4"	Pre-Printed Warning Header Labels

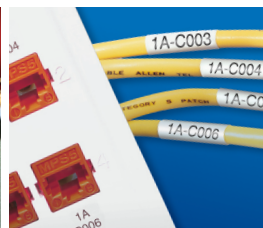## Brady's benchtop printers are also ideal for:

Rating Plate	Industrial Bar Codes	General Identification	Wire & Cable Marking	Raised Panel Labels

GlobalMark®2 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
3MU70	GlobalMark Color & Cut Printer
3MU69	GlobalMark MultiColor Printer
1KW58	GlobalMark Ribbon, Black/Orange
3MU53	GlobalMark Ribbon, Black/Red
3CFL5	GlobalMark Ribbon, Black/Red/Orange/Blue

BBP®31 Sign and Label Printer

Part #	Description
6XGX4	BBP31 Sign & Label Printer
6UNL8	BBP31 Printer w/ Arc Flash Supply Kit
6UNK9	Arc Flash Supply Kit for BBP31
6UMW4	BBP31 Printer Ribbon, Black

Pre-printed Header Labels GlobalMark®2

Part #	Size	Description
Labels		
3PU31	2.25" x 100'	Indoor/Outdoor White Vinyl Tape
3PU29	4" x 100'	Indoor/Outdoor White Vinyl Tape
3PU30	3" x 100'	Indoor/Outdoor White Vinyl Tape
13K866	2.25" x 100'	Pre-Printed Red Stripe
13K869	3" x 100'	Pre-Printed Red Stripe
13K872	4" x 100'	Pre-Printed Red Stripe
13K865	2.25" x 100'	Pre-Printed Orange Stripe
13K868	3" x 100'	Pre-Printed Orange Stripe
13K871	4" x 100'	Pre-Printed Orange Stripe
13K867	2.25" x 100'	Pre-Printed Yellow Stripe
13K870	3" x 100'	Pre-Printed Yellow Stripe
13K873	4" x 100'	Pre-Printed Yellow Stripe

Pre-printed Header Labels BBP®31

Part #	Size	Description
Labels		
6XHA0	4" x 6"	Pre-printed Danger Header Vinyl Tape
6XGZ9	2.25" x 3"	Pre-printed Danger Header Vinyl Tape
6XHA6	4" x 6"	Pre-printed Warning Header Vinyl Tape
6XHA5	2.25" x 3"	Pre-printed 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

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!
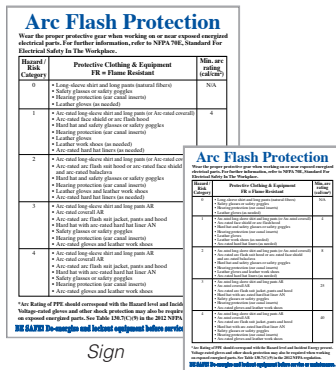

Poster

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

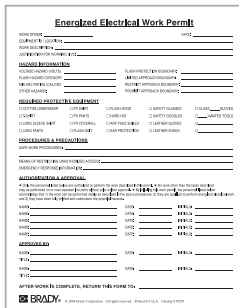| Catalog #	Size	Description	Quantity
3DVZ9	18" x 24"	Poster	1 each

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 overlaminate

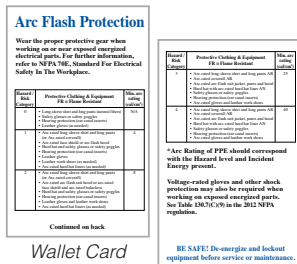| Catalog #	Size	Description	Quantity
13K852	7" x 10"	Sign	1 each
13K853	3.5" x 5"	Label	5/pack

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
2XU87	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
13K854	2.1" x 3.4"	Card	10/pack

AVAILABLE THROUGH

GRAINGER®

FOR THE ONES WHO GET IT DONE

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