


Catalog Number	Nominal Size	Supplied Ø ID Min.	Recovery Ø id Max.	Wall Thickness	Voltage Rating	Package Type	Min Order Quantity	Package Quantity	Total Pieces Per Pack	Quantity of Each Color						
										Black (B)	Blue (BLU)	Clear (C)	Green (G)	Red (R)	White (W)	Yellow (Y)
HSB18FR250	1/8	0.125	0.062	0.025	600V	250 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSC18FR	1/8	0.125	0.062	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC18FRFT	1/8	0.125	0.062	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC18FR250	1/8	0.125	0.062	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC18FR250FT	1/8	0.125	0.062	0.025	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSR18FR	1/8	0.125	0.062	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSC316FR250	3/16	0.1875	0.094	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSB14FR	1/4	0.250	0.125	0.025	600V	50 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB14FRFT	1/4	0.250	0.125	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSB14FR250	1/4	0.250	0.125	0.025	600V	250 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB14FR250FT	1/4	0.250	0.125	0.025	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSC14FR	1/4	0.250	0.125	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC14FRFT	1/4	0.250	0.125	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC14FR250	1/4	0.250	0.125	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC14FR250FT	1/4	0.250	0.125	0.025	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSG14FR250	1/4	0.250	0.125	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	-	1	-	-	-
HSR14FR	1/4	0.250	0.125	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSW14FR	1/4	0.250	0.125	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	-	1	-

REV	DATE	DESCRIPTION	ECO	BY	CHK.
C	05/20/2022	CREATED NEW DRAWING AS PER MARKUPS	220613021096	RA	YR

Product Family **Heat Shrink Flame Retardant**



Heat	Shrink	Color	Internal Diameter:	Type	Package Type:	Unit of Measure:
<b>H</b>	<b>S</b>	<b>C</b>	<b>18</b>	<b>FR</b>	<b>250</b>	<b>FT</b>

Catalog Number Scheme **HSC18FR250FT**

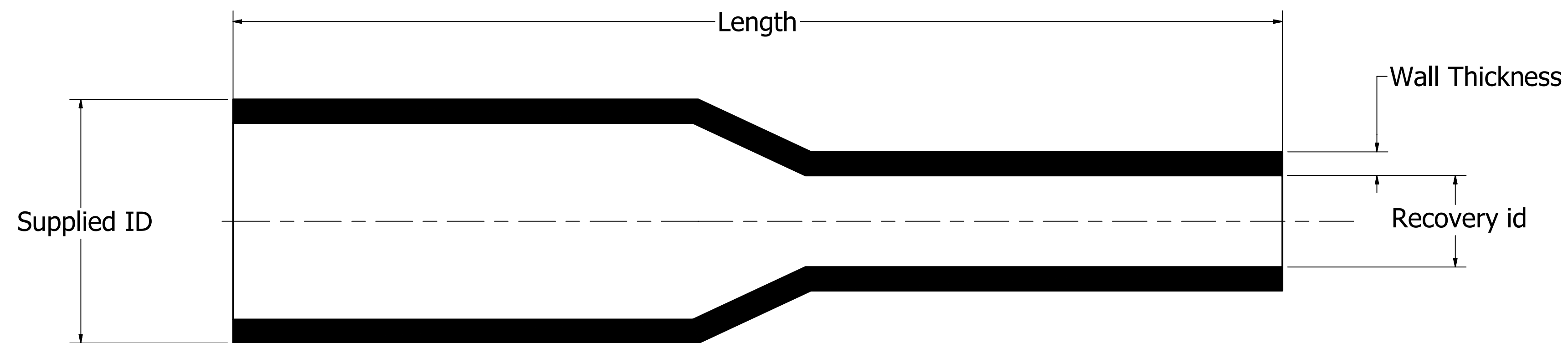
## TYPE HS-FR

### FLAME RETARDANT HEAT SHRINK TUBING



#### Features & Benefits

- Material: Flame Retardant heat shrink tubing made of flexible polyvinyl chloride.
- Products comes in 25, 50, 100 & 250 foot Reels and many SKUs are sold/priced by the foot. Min quantities apply.
- Available in black, blue, clear, green, red, white & yellow.
- 2:1 shrink ratio
- Low shrink temperature only requires common hot air guns to apply.
- Operating temperature from -20°C to 105°C
- Shrink temperature of 135°C
- Meets MIL-M-23053/Z-206C
- Catalog numbering Scheme: Third character in the prefix indicates the color  
\*Black (B), Blue (BLU), Clear (C), Green (G), Red (R), White (W), Yellow (Y)  
\*Example: HSB18FR250 is **B**lack heat shrink
- UL Recognized, 105°C, Rated up to 600 Volts
- UL224, VW-1 Rated, self-extinguishing flame retardant properties.
- Offers Insulating, color identification and strain relieving properties for terminations and splices and provides abrasion and environmental protection. Clear provides for easy inspection of connection.
- See Part# BMSG110 for Heat Gun tool Specifications
- Installation Instructions can be found on sheet 3 of this drawing.



Fire Retardant Heat Shrink Wire Accommodates Matrix 2:1					
Nominal Size (Fraction)	Nominal Size (Issued)	Recovery Size (Shrunk)	Copper Code	Copper Flex	Aluminum Code
1/8"	0.125	0.062	16 - 14 AWG	16 - 14 AWG	-
1/4"	0.250	0.125	12 - 8 AWG	12 - 10 AWG	12 - 10 AWG
3/8"	0.375	0.187	6 - 4 AWG	8 - 6 AWG	12 - 6 AWG
1/2"	0.500	0.250	4 - 1 AWG	6 - 4 AWG	8 - 4 AWG
3/4"	0.750	0.375	1/0 - 3/0 AWG	2 - 1/0 AWG	4 - 2/0 AWG
1"	1.000	0.500	4/0 AWG - 300 KCMIL	1/0 - 4/0 AWG	2 AWG - 250 KCMIL
1-1/2"	1.500	0.750	350 - 750 KCMIL	250 - 500 KCMIL	3/0 AWG - 750 KCMIL
2"	2.000	1.000	800 - 1000 KCMIL	500 - 750 KCMIL	300 - 1000 KCMIL

\* Wires in the table are for reference and the installer should select the proper heat shrink based on the OD of the wire insulation, splice or terminal being used.

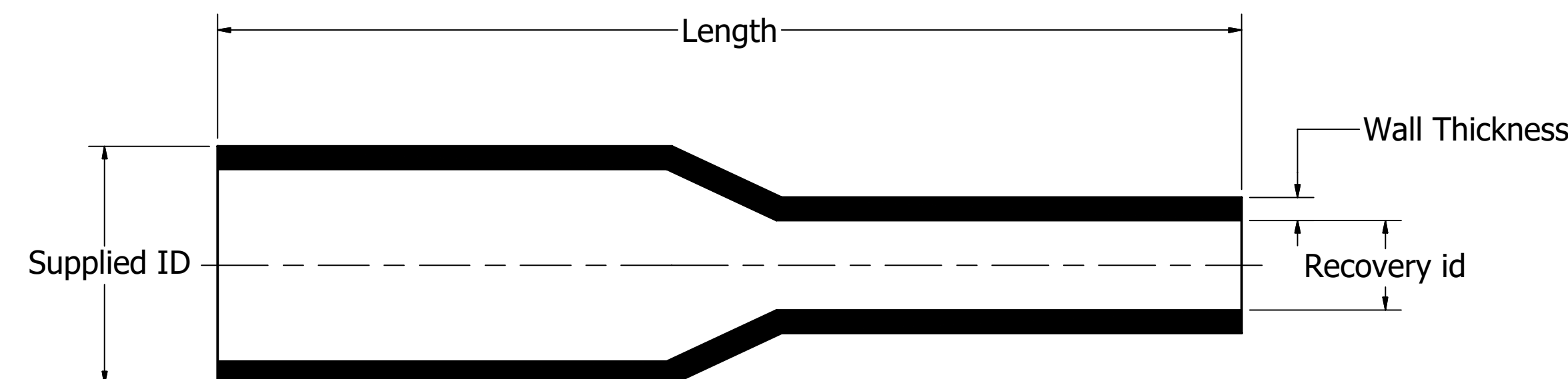


TO ORDER BURNDY® PRODUCTS CALL UNITED STATES 1-800-346-4175 (LONDONDERRY, NH) CANADA: 1-800-387-6487 FOR PRODUCT INFO: <a href="http://www.burndy.com">http://www.burndy.com</a>	HEAT SHRINK TUBING		
	ITEM NO: SEE TABLE		
	CAT. NO: SEE TABLE		
	DRAWN BY: SAKTHI M 11/28/2012 CHECKER: J.MICHAUD 10/16/2013 DSN APRVL: A.MONTMINY 4/16/2013 MFG APRVL: -- QA APRVL: T.WATTS 4/9/2013 MKT APRVL: R.CAVANAUGH 4/11/2013 PROD FAM: --	DRAWING NO <b>50015598</b>	
PROJECT #: --	SIZE <b>D</b>	SHEET 1 OF 3	



Catalog Number	Nominal Size	Supplied Ø ID Min.	Recovery Ø id Max.	Wall Thickness	Voltage Rating	Package Type	Min Order Quantity	Package Quantity	Total Pieces Per Pack	Quantity of Each Color						
										Black (B)	Blue (BLU)	Clear (C)	Green (G)	Red (R)	White (W)	Yellow (Y)
HSB38FR	3/8	0.375	0.187	0.025	600V	50 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB38FRFT	3/8	0.375	0.187	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSB38FR250	3/8	0.375	0.187	0.025	600V	250 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSBLU38FR	3/8	0.375	0.187	0.025	600V	50 Foot Reel	1	1 Reel	1	-	1	-	-	-	-	-
HSC38FR	3/8	0.375	0.187	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC38FRFT	3/8	0.375	0.187	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC38FR250	3/8	0.375	0.187	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC38FR250FT	3/8	0.375	0.187	0.025	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSG38FR250	3/8	0.375	0.187	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	-	1	-	-	-
HSR38FR	3/8	0.375	0.187	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSR38FR250	3/8	0.375	0.187	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSW38FR	3/8	0.375	0.187	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	-	1	-
HSB12FR	1/2	0.500	0.250	0.025	600V	50 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB12FRFT	1/2	0.500	0.250	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSB12FR250	1/2	0.500	0.250	0.025	600V	250 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB12FR250FT	1/2	0.500	0.250	0.025	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSBLU12FR	1/2	0.500	0.250	0.025	600V	50 Foot Reel	1	1 Reel	1	-	1	-	-	-	-	-
HSBLU12FR250	1/2	0.500	0.250	0.025	600V	250 Foot Reel	1	1 Reel	1	-	1	-	-	-	-	-
HSC12FR	1/2	0.500	0.250	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC12FRFT	1/2	0.500	0.250	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC12FR250	1/2	0.500	0.250	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC12FR250FT	1/2	0.500	0.250	0.025	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSR12FR	1/2	0.500	0.250	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSR12FRFT	1/2	0.500	0.250	0.025	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	-	-	-	-	1	-	-
HSR12FR250	1/2	0.500	0.250	0.025	600V	250 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSW12FR	1/2	0.500	0.250	0.025	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	-	1	-
HSB34FR	3/4	0.750	0.375	0.030	600V	50 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB34FR250	3/4	0.750	0.375	0.030	600V	250 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB34FR250FT	3/4	0.750	0.375	0.030	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSBLU34FR250	3/4	0.750	0.375	0.030	600V	250 Foot Reel	1	1 Reel	1	-	1	-	-	-	-	-
HSC34FR	3/4	0.750	0.375	0.030	600V	50 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC34FRFT	3/4	0.750	0.375	0.030	600V	Reel (Sold by the Foot)	50	50 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC34FR250	3/4	0.750	0.375	0.030	600V	250 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC34FR250FT	3/4	0.750	0.375	0.030	600V	Reel (Sold by the Foot)	250	250 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSR34FR	3/4	0.750	0.375	0.030	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSW34FR	3/4	0.750	0.375	0.030	600V	50 Foot Reel	1	1 Reel	1	-	-	-	-	-	1	-
HSB100FR	1	1.000	0.500	0.035	600V	25 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB100FRFT	1	1.000	0.500	0.035	600V	Reel (Sold by the Foot)	25	25 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSB100FR100	1	1.000	0.500	0.035	600V	100 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB100FR100FT	1	1.000	0.500	0.035	600V	Reel (Sold by the Foot)	100	100 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSC100FR	1	1.000	0.500	0.035	600V	25 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC100FRFT	1	1.000	0.500	0.035	600V	Reel (Sold by the Foot)	25	25 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC100FR100	1	1.000	0.500	0.035	600V	100 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC100FR100FT	1	1.000	0.500	0.035	600V	Reel (Sold by the Foot)	100	100 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSR100FR100	1	1.000	0.500	0.035	600V	100 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSY100FR	1	1.000	0.500	0.035	600V	25 Foot Reel	1	1 Reel	1	-	-	-	-	-	-	1
HSB112FR	1-1/2	1.500	0.750	0.040	600V	25 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB112FRFT	1-1/2	1.500	0.750	0.040	600V	Reel (Sold by the Foot)	25	25 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSB112FR100	1-1/2	1.500	0.750	0.040	600V	100 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB112FR100FT	1-1/2	1.500	0.750	0.040	600V	Reel (Sold by the Foot)	100	100 Feet as 1 Reel	1	1	-	-	-	-	-	-
HSBLU112FR	1-1/2	1.500	0.750	0.040	600V	25 Foot Reel	1	1 Reel	1	-	1	-	-	-	-	-
HSC112FR	1-1/2	1.500	0.750	0.040	600V	25 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC112FRFT	1-1/2	1.500	0.750	0.040	600V	Reel (Sold by the Foot)	25	25 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC112FR100	1-1/2	1.500	0.750	0.040	600V	100 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC112FR100FT	1-1/2	1.500	0.750	0.040	600V	Reel (Sold by the Foot)	100	100 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSG112FR	1-1/2	1.500	0.750	0.040	600V	25 Foot Reel	1	1 Reel	1	-	-	-	1	-	-	-
HSR112FR	1-1/2	1.500	0.750	0.040	600V	25 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSR112FR100	1-1/2	1.500	0.750	0.040	600V	100 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-
HSB200FR	2	2.000	1.000	0.045	600V	25 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSB200FR100	2	2.000	1.000	0.045	600V	100 Foot Reel	1	1 Reel	1	1	-	-	-	-	-	-
HSC200FR	2	2.000	1.000	0.045	600V	25 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC200FRFT	2	2.000	1.000	0.045	600V	Reel (Sold by the Foot)	25	25 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSC200FR100	2	2.000	1.000	0.045	600V	100 Foot Reel	1	1 Reel	1	-	-	1	-	-	-	-
HSC200FR100FT	2	2.000	1.000	0.045	600V	Reel (Sold by the Foot)	100	100 Feet as 1 Reel	1	-	-	1	-	-	-	-
HSR200FR	2	2.000	1.000	0.045	600V	25 Foot Reel	1	1 Reel	1	-	-	-	-	1	-	-

REV	DATE	DESCRIPTION	ECO	BY	CHK.
C	05/20/2022	CREATED NEW DRAWING AS PER MARKUPS	220613021096	RA	YR



TO ORDER BURNDY® PRODUCTS CALL		HEAT SHRINK TUBING	
UNITED STATES 1-800-346-4175 (LONDONDERRY, NH)		ITEM NO: SEE TABLE	
CANADA: 1-800-387-6487		CAT. NO: SEE TABLE	
FOR PRODUCT INFO: <a href="http://www.burndy.com">http://www.burndy.com</a>		DRAWN BY: SAKTHI M 11/28/2012	
		CHECKER: J.MICHAUD 10/16/2013	
		DSN APRVL: A.MONTMINY 4/16/2013	
		MFG APRVL: --	
		QA APRVL: T.WATTS 4/9/2013	
		MKT APRVL: R.CAVANAUGH 4/11/2013	
		PROJ FAM: --	
		PROJECT #: --	
		DOCUMENT TYPE: SALES	
		REL LEVEL: Released	
		DRAWING NO	
		50015598	
		SHEET 2 OF 3	
		REV	
		C	





## Splice Installation Instructions



### ATTENTION

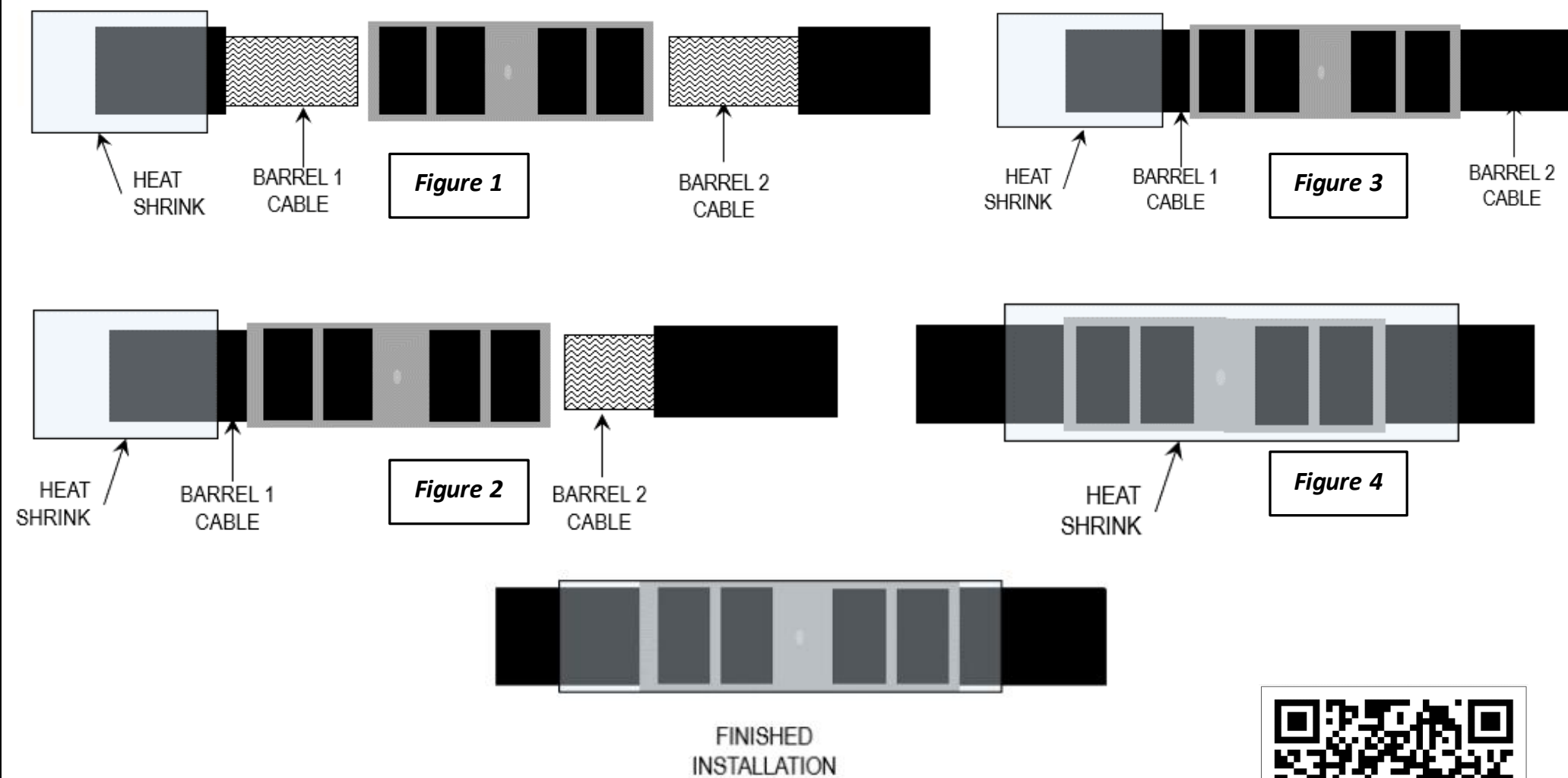
REFERENCE MASTER CATALOG, SALES DRAWING, WEBSITE AND/OR CONNECT APPLICATION FOR TOOL/DIE & ADDITIONAL INSTALLATION INFORMATION.

#### INSTALLATION

- Strip the insulation to the appropriate length based on the wire strip length recommendations for the selected connector. Strip lengths can be found in the Burndy master catalog, website or sales drawing. Be careful not to nick the cable strands which may result in cut/broken wire.
- Slide heat shrink over cable, (figure 1)
- Fully insert the conductor into barrel 1. If the connector has an inspection window, the conductor will be visible in the window, confirming full wire insertion, (figure 2).
- Apply the proper number of crimps specified. Crimp between the markings, always crimp from center going outward, repeat crimping process for barrel 2, (figure 3).
- Once the splice is fully crimped, slide the heat shrink over the center of the completed assembly and apply heat until full shrinkage is obtained, (figure 4).
- The shrink temperature is 248°F (120°C). If using BHS1100 tool, use low setting (500°F) and place heat gun approximately six inches from the tubing surface. DO NOT USE THE DEFLECTOR.
- Apply heat evenly, radially, starting at the center and working outwards. When shrink tube has taken contour of the item being covered, installation is complete, (finished installation image).

### CAUTION

To prevent damage to the tubing, DO NOT OVERHEAT! Always apply heat uniformly using a back and forth motion. DO NOT FOCUS the heat gun over area. Focusing the



SCAN QR CODE FOR MEDIUM & LARGE HYDENT™ COMPRESSION CONNECTORS INSTALLATION INSTRUCTIONS SUPPORT, INCLUDING SALES DRAWINGS, AND HEAT SHRINK INSTALLATION VIDEOS.



2



## Terminal Installation Instructions



### ATTENTION

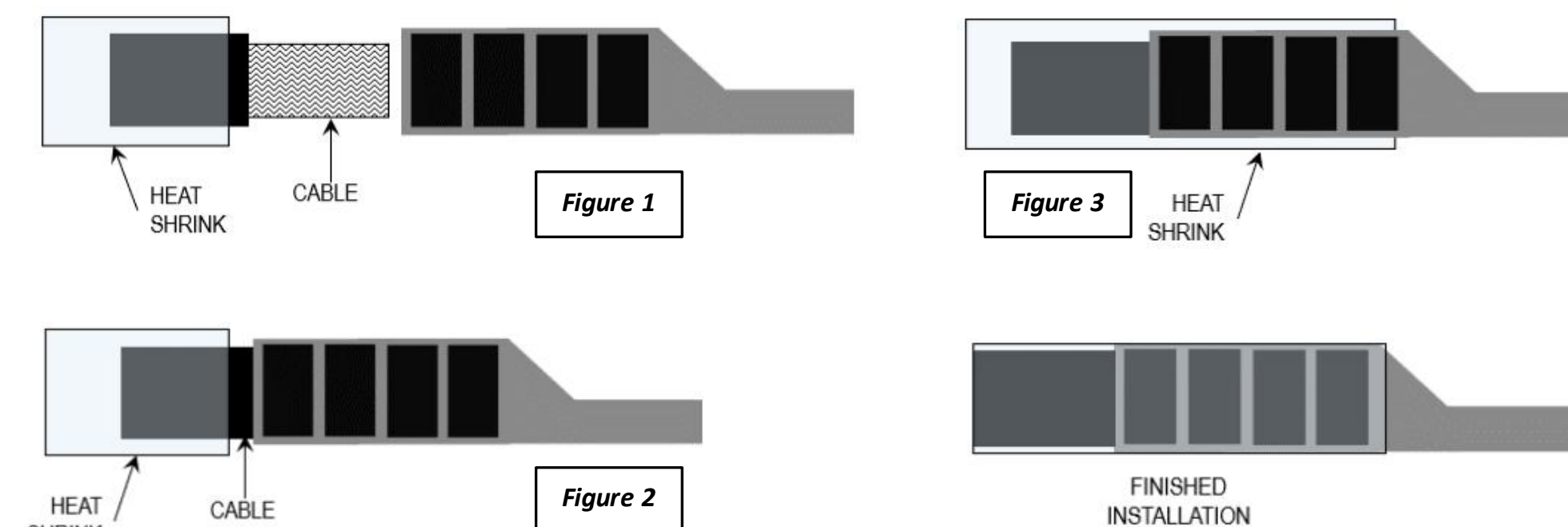
REFERENCE MASTER CATALOG, SALES DRAWING, WEBSITE AND/OR CONNECT APPLICATION FOR TOOL/DIE & ADDITIONAL INSTALLATION INFORMATION.

#### INSTALLATION

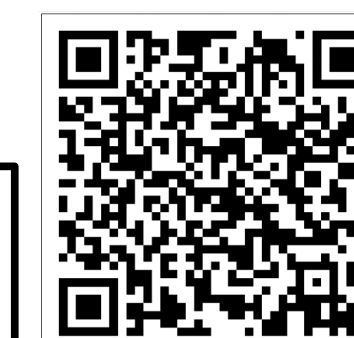
- Strip the insulation to the appropriate length based on the wire strip length recommendations for the selected connector. Strip lengths can be found in the Burndy master catalog, website or sales drawing. Be careful not to nick the cable strands which may result in cut/broken wire.
- Slide heat shrink over cable, (figure 1)
- Fully insert the conductor into the barrel. If the connector has an inspection window, the conductor will be visible in the window, confirming full wire insertion, (figure 2).
- Apply the proper number of crimps specified. Crimp within the crimp zone markings, always crimp starting on pad end going outward, repeat crimping process until all crimps are complete for barrel, (figure 3).
- Once the terminal is fully crimped, slide the heat shrink over the center of the completed assembly and apply heat until full shrinkage is obtained, (figure 3).
- The shrink temperature is 248°F (120°C). If using BHS1100 tool, use low setting (500°F) and place heat gun approximately six inches from the tubing surface. DO NOT USE THE DEFLECTOR.
- Apply heat evenly, radially, starting at the terminal pad and working outwards. When shrink tube has taken contour of the item being covered, installation is complete, (finished installation image).

### CAUTION

To prevent damage to the tubing, DO NOT OVERHEAT! Always apply heat uniformly using a back and forth motion. DO NOT FOCUS the heat gun over area. Focusing the



SCAN QR CODE FOR MEDIUM & LARGE HYDENT™ COMPRESSION CONNECTORS INSTALLATION INSTRUCTIONS SUPPORT, INCLUDING SALES DRAWINGS AND HEAT SHRINK INSTALLATION VIDEOS.



2

TO ORDER BURNDY® PRODUCTS CALL  
 UNITED STATES  
 1-800-346-4175 (LONDONDERRY, NH)  
 CANADA:  
 1-800-387-6487  
 FOR PRODUCT INFO: <http://www.burndy.com>

#### HEAT SHRINK TUBING

ITEM NO: SEE TABLE			
CAT. NO: SEE TABLE			
DRAWN BY: SAKTHI M	11/28/2012		
CHECKER: J.MICHAUD	10/16/2013		
DSN APRVL: A.MONTMINY	4/16/2013		
MFG APRVL: --			
QA APRVL: T.WATTS	4/9/2013		
MKT APRVL: R.CAVANAUGH	4/11/2013		
PROD FAM: --		DRAWING NO	REV
PROJECT #: --	SIZE	50015598	C
DOCUMENT TYPE: SALES	D	SHEET 3 OF 3	
REL LEVEL: Released			