

HEAT SHRINK KITS, TUBING AND STAKON CONNECTORS

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Product Booklet

Heat shrink tubing is used to insulate electrical components, like wire, from external factors such as moisture, dust abrasion, and other objects which could cause damage. In water well applications, Boshart's heat shrink splice kits are used to make an underwater electrical connection between the leads on the pump motor and the pump cable.

How do you select a Heat Shrink Splice Kit? There are a number of things to consider. Visit our [Knowledge Base](#) to find articles that provide direction on how to choose the correct heat shrink kit for your application, a glossary of terms, and other additional resources.

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HS1410 SERIES - HEAVY DUTY BLACK HEAT SHRINK SPLICE KIT (CSA & UL APPROVED)

AWG #14 TO #10

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Seals and protects cable splices and terminations.
- Complete moisture sealing in submersed connections and environmental protection in underground connections.
- High impact, abrasion, corrosion and chemical resistance, highest level of mechanical durability.
- Flame retardant due to the carbon content (carbon black) in the CFW black tubing.

SPECIFICATIONS:

- Made from CFW black heavy wall adhesive lined cross-linked polyolefin heat shrinkable tubing with a 3:1 shrink ratio.
- Tubing will shrink unrestricted to 33% of it's original diameter, the recovered wall thickness of the tubing is proportional to the degree of recovery.

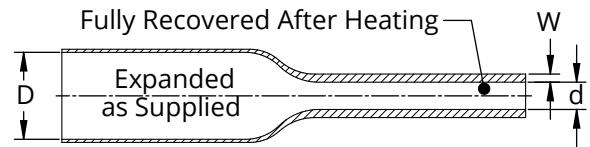
NOTE: Due to the substantial wall thickness, the tubing takes longer to shrink to it's fully recovered state; approx. 40-50 seconds. Time will vary depending on job site conditions and the heat source that is used.

RATINGS:

- Continuous operating temperature -67°F to 230°F (-55°C to 110°C)
- Rated for 1 kV, 90°C continuous use
- Shrink temperature: 248°F (120°C)

CERTIFICATIONS:

- Heat Shrink Tubes
 - CSA C22.2 No. 198.2-05; (065789_0_000)
 - UL 486D; (E132914)
- RoHS Certified Directive 2002/95/EC<0.10% Pb
- ANSI C119-1
- Western Underground Guide Numbers 2.4 and 2.5
- ICEA and NEMA insulation thickness requirements
- DNV Type approval
- See Page 14 for Stakon certification



BLACK HD KITS (Long Stakons) - For #14, #12, & #10 AWG Pump Cable, Tubing: HST-HS1410-3-BK Tube length: 3" (76.2mm)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	Number of Stakons Part No: SC-14-10	Length of Stakon			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
HS1410-2	0.35	8.9	0.12	3.0	0.07	1.8	2	2 (#14 to #10)	13/16	0.817	20.75	Silver
HS1410-3							3	3 (#14 to #10)				
HS1410-3-4							3	4 (#14 to #10)				
HS1410-4							4	4 (#14 to #10)				



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HS(X)-4XLS SERIES - DELUXE HEAVY DUTY BLACK HEAT SHRINK SPLICE KIT (CSA & UL APPROVED)

AWG SIZE # 8 TO #4

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Seals and protects cable splices and terminations.
- Complete moisture sealing in submersed connections and environmental protection in underground connections.
- High impact, abrasion, corrosion and chemical resistance, highest level of mechanical durability.
- Flame retardant due to the carbon content (carbon black) in the CFW black tubing.



SPECIFICATIONS:

- Made from CFW black heavy wall adhesive lined cross-linked polyolefin heat shrinkable tubing with a 3:1 shrink ratio.
- Tubing will shrink unrestricted to 33% of it's original diameter, the recovered wall thickness of the tubing is proportional to the degree of recovery.

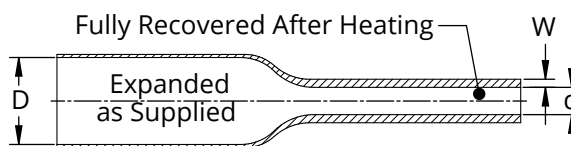
NOTE: Due to the substantial wall thickness, the tubing takes longer to shrink to it's fully recovered state; approx. 40-50 seconds. Time will vary depending on job site conditions and the heat source that is used.

CERTIFICATIONS:

- Heat Shrink Tubes
 - CSA C22.2 No. 198.2-05; (065789_0_000)
 - UL 486D; (E132914)
- RoHS Certified Directive 2002/95/EC<0.10% Pb
- ANSI C119-1
- Western Underground Guide Numbers 2.4 and 2.5
- ICEA and NEMA insulation thickness requirements
- DNV Type approval
- See Page 14 for Stakon certification

RATINGS:

- Continuous operating temperature -67°F to 230°F (-55°C to 110°C)
- Rated for 1 kV, 90°C continuous use
- Shrink temperature: 248°F (120°C)



BLACK DELUXE KIT (Extra Long Stakons) - For #8 AWG Pump Cable, Tubing: HST500-48-BK Tube length: 4” (101.6mm)												
Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	Number of Stakons (#AWG size) - Part No	Lenth of Stakon			Stakon Colour
	in	mm	in	mm	in	mm			in	mm	mm	
HS8-4XLS	0.51	12.95	0.16	4.06	0.09	2.29	4	1 (#14 to #10) -SC-14-10	13/16	0.817	20.75	Silver
								3 (#8) - SC-8XLS	2	2.000	50.80	Red

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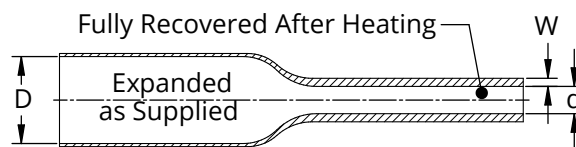
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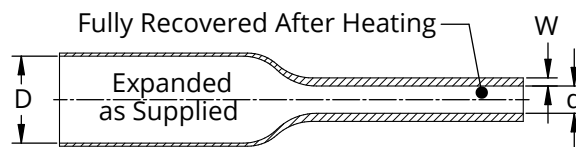
BLACK DELUXE KIT (Extra Long Stakons) - For #6 AWG Pump Cable, Tubing: HST500-48-BK
Tube length: 4" (101.6mm)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	Number of Stakons (#AWG size) - Part no	Lenth of Stakon			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
HS6-4XLS	0.51	12.95	0.16	4.06	0.09	2.29	4	3 (#6) - SC-6XLS	2-3/8	2.375	60.33	Blue
								1 (#8) - SC-8XLS	2	2.000	50.80	Red



BLACK DELUXE KIT (Extra Long Stakons) - For #4 AWG Pump Cable, Tubing: HST750-48-BK
Tube length: 4.80" (121.92)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	Number of Stakons (#AWG size) - Part No	Lenth of Stakon			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
HS4-4XLS	0.75	19.05	0.24	6.10	0.09	2.29	4	3 (#4) - SC-4XLS	2-3/8	2.395	60.83	Grey
								1 (#6) - SC-6XLS	2-3/8	2.375	60.33	Blue



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HS(C) SERIES - HEAVY DUTY HEAT SHRINK KITS (NOT CERTIFIED)

AWG SIZE #14 TO #4

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Seals and protects cable splices and terminations.
- Complete moisture sealing in submersed connections and environmental protection.
- High impact, abrasion, corrosion and chemical resistance, highest level of mechanical durability.
- Black tubing is flame retardant due to the carbon content (carbon black) in CFM and CFW black tubing.
- Clear tubing is NOT flame retardant.
- Clear tubing allows for visual inspection of splices, especially helpful for underwater applications to ensure no air pockets remain within the seal.



SPECIFICATIONS:

- Made from CFM or CFW (indicated in tables) medium or heavy wall adhesive lined cross-linked polyolefin with a 3:1 shrink ratio.
- When heated above 250°F (120°C) tubing shrinks and the adhesive melts to provide a water-tight connection.

NOTE: Due to the substantial wall thickness, the HS(C) series tubing takes longer to shrink to it's fully recovered state; approx. 40-50 seconds. Time will vary depending on job site conditions and the heat source that is used.

CERTIFICATIONS:

- RoHS Certified Directive 2002/95/EC <0.1% Pb.

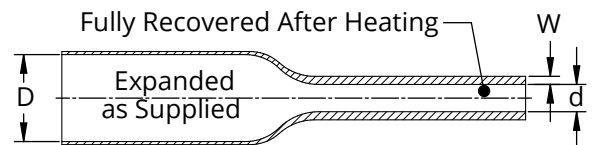


NOTE:

- These kits not CSA or UL certified.
- Not certified for underground use. For heat shrink kits certified for underground use, see HS1410 & HS(X)-4XLS series on pages 4-5.

RATINGS:

- Continuous operating temperature -67°F to 230°F (-55°C to 110°C)
- Shrink temperature: 248°F (120°C)



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HEAVY DUTY SPLICE KITS - For AWG Wire Size #14 to #10												
Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakons Part No: SC-14-10	Stakon Length		Stakon Colour	
	in	mm	in	mm	in	mm			in	mm		
Black - Tube length: 3” (76.2mm), Tubing: HST-HS-3-BK (CFM)												
HS-2	0.40	10.16	0.15	3.81	0.08	2.03	2	2 (#14 - #10)	13/16	0.817	20.75	Silver
HS-3							3	3 (#14 - #10)				
HS-3-4							3	4 (#14 - #10)				
HS-4							4	4 (#14 - #10)				
Clear - Tube length: 3” (76.2mm), Tubing: HST-HS-3-CL (CFM)												
HSC-2	0.40	10.16	0.15	3.81	0.08	2.03	2	2 (#14 - #10)	13/16	0.817	20.75	Silver
HSC-3							3	3 (#14 - #10)				
HSC-3-4							3	4 (#14 - #10)				
HSC-4							4	4 (#14 - #10)				



HS-2



HS-3



HS-3-4



HS-4



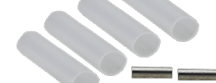
HSC-2



HSC-3



HSC-3-4



HSC-4

HEAVY DUTY SPLICE KITS - For AWG Wire Size #8												
Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakons (#AWG size) - Part No	Stakon Length		Stakon Colour	
	in	mm	in	mm	in	mm			in	mm		
Black - Tube length: 4” (101.6mm), Tubing: HST500-48-BK (CFW)												
HS8-3	0.51	12.95	0.16	4.06	0.09	2.29	3	2 (#8) - SC-8	7/8	0.845	21.46	Silver
								1 (#14 - #10) -SC-14-10	13/16	0.817	20.75	
HS8-4							4	3 (#8) - SC-8	7/8	0.845	21.46	Silver
								1 (#14 - #10) -SC-14-10	13/16	0.817	20.75	
Clear - Tube length: 4” (101.6mm), Tubing: HST750-48-CL (CFM)												
HSC8-4	0.75	19.05	0.22	5.59	0.08	2.03	4	3 (#8) - SC-8	7/8	0.845	21.46	Silver
								1 (#14 - #10) -SC-14-10	13/16	0.817	20.75	



HS8-3



HS8-4



HSC8-4

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HEAVY DUTY SPLICE KITS - For AWG Wire Size #6												
Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No.of Stakons (#AWG size) - Part No	Stakon Length			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
Black - Tube length: 4” (101.6mm), Tubing: HST500-48-BK (CFW)												
HS6-3	0.51	12.95	0.16	4.06	0.09	2.29	3	2 (#6) - SC-6	1	1.030	26.16	Silver
								1 (#8) - SC-8	7/8	0.845	21.46	
HS6-4	0.51	12.95	0.16	4.06	0.09	2.29	4	3 (#6) - SC-6	1	1.030	26.16	Silver
								1 (#8) - SC-8	7/8	0.845	21.46	
Clear - Tube length: 4” (101.6mm), Tubing: HST750-48-CL (CFM)												
HSC6-4	0.75	19.05	0.22	5.59	0.08	2.03	4	3 (#6) - SC-6	1	1.030	26.16	Silver
								1 (#8) - SC-8	7/8	0.845	21.46	



HEAVY DUTY SPLICE KITS - For AWG Wire Size #4												
Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakons (#AWG size) - Part No	Stakon Length			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
Black - Tube length: 4.80” (121.9mm), Tubing: HST750-48-BK (CFW)												
HS4-4	0.75	19.05	0.24	6.10	0.09	2.29	4	3 (#4) - SC-4	1-1/8	1.155	29.34	Silver
								1 (#6) - SC-6	1	1.030	26.16	
Clear - Tube length: 4” (121.9mm), Tubing: HST750-48-CL (CFM)												
HSC4-4	0.75	19.05	0.22	5.59	0.08	2.03	4	3 (#4) - SC-4	1-1/8	1.155	29.34	Silver
								1 (#6) - SC-6	1	1.030	26.16	



HSC(X)-4XLS SERIES - DELUXE CLEAR HEAVY DUTY HEAT SHRINK KITS (NOT CERTIFIED)

AWG SIZE #8 TO #4

Heat shrink tubing is used to insulate electrical components, like wire, from external factors such as moisture, dust, abrasion, and other objects which could cause damage.

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Extra long stakons (butt conn) for double crimping.
- Seals and protects cable splices and terminations.
- Complete moisture sealing in submersed connections and environmental protection.
- High impact, abrasion, corrosion and chemical resistance, highest level of mechanical durability.

SPECIFICATIONS:

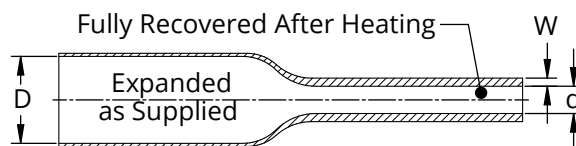
- Made from CFM-750 medium wall clear adhesive lined cross-linked polyolefin heat shrinkable tubing with a 3:1 shrink ratio.
- Tubing will shrink unrestricted to 33% of it's original diameter, the recovered wall thickness of the tubing is proportional to the degree of recovery.

CERTIFICATIONS:

- RoHS Certified Directive 2002/95/EC <0.1% Pb.

NOTE:

- Tubing in these kits is not CSA or UL certified.



CLEAR DELUXE KIT (Extra Long Stakons) - For #8 AWG Pump Cable, Tubing: HST750-48-CL												
Tube length: 4” (101.6mm)												
Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakons (#AWG size) - Part No	Stakon Length			Stakon Colour
	in	mm	in	mm	in	mm			in	mm	mm	
HSC8-4XLS	0.75	19.05	0.22	5.59	0.08	2.03	4	1 (#14 to #10) - SC-14-10	13/16	0.817	20.75	Silver
								3 (#8) - SC-8XLS	2	2.000	50.80	Red

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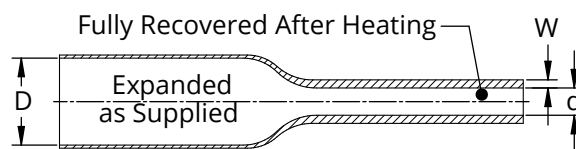
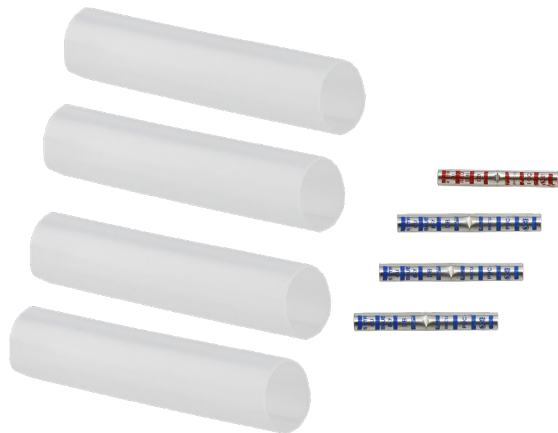
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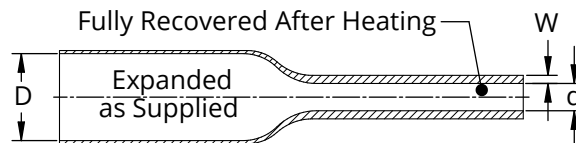
CLEAR DELUXE KIT (Extra Long Stakons) - For #6 AWG Pump Cable, Tubing: HST750-48-CL
Tube length: 4" (101.6mm)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakons (#AWG size) - Part No	Stakon Length			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
HSC6-4XLS	0.75	19.05	0.22	5.59	0.08	2.03	4	3 (#6) - SC-6XLS	2-3/8	2.375	60.33	Blue
								1 (#8) - SC-8XLS	2	2.000	50.80	Red



CLEAR DELUXE KIT (Extra Long Stakons) - For #4 AWG Pump Cable, Tubing: HST750-48-CL
Tube length: 4.80" (121.92)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakons (#AWG size) - Part No	Stakon Length			Stakon Colour
	in	mm	in	mm	in	mm			in	mm		
HSC4-4XLS	0.75	19.05	0.22	5.59	0.08	2.03	4	3 (#4) - SC-4XLS	2-3/8	2.395	60.83	Grey
								1 (#6) - SC-6XLS	2-3/8	2.375	60.33	Blue



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HSKB & HSKC SERIES - KWIK RECOVERY HEAT SHRINK KITS (NOT CERTIFIED)

AWG SIZE # 14 TO #10

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Heavy wall tubing provides good impact and abrasion resistance, and highest level of mechanical durability.
- Made from CWWT-450 adhesive lined cross-linked polyolefin heat shrinkable tubing.
- Black tubing is flame retardant due to the carbon content (carbon black) in CWWT-450 black tubing.
- Clear tubing is NOT flame retardant due to removal of carbon content.
- Clear tubing allows for visual inspection of splices. Especially helpful for underwater applications to ensure no air pockets remain within the seal, and for any print on wires to be visible.

SPECIFICATIONS:

- When heated above 250°F (120°C) the tubing **shrinks rapidly** to a skin tight fit with a 4:1 ratio. Upon cooling, the adhesive solidifies forming a permanent, non-drying, flexible and waterproof barrier.

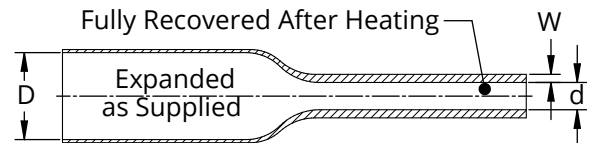
NOTE: This tubing will shrink to it's fully recovered diameter in approx. 25-30 seconds. Time will vary depending on job site conditions and the heat source that is used.

CERTIFICATIONS:

- RoHS Certified Directive 2002/95/EC <0.1% Pb.

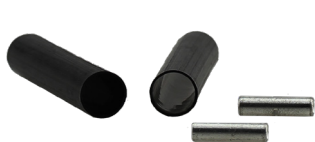
NOTE:

- Tubing in these kits is not CSA or UL certified.



BLACK KWIK RECOVERY HEAT SHRINK KITS - For AWG Wire Size #14 to #10 - Tubing: HST-HSK-3-BK Tube length: 3" (76.2mm)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakeons Part No: SC-14-10	Stakon Length			Stakon colour
	in	mm	in	mm	in	mm			in	mm		
HSKB-2	0.41	10.5	0.10	2.6	0.043	1.09	2	2 (#14 - #10)	13/16	0.817	20.75	Silver
HSKB-3							3	3 (#14 - #10)				
HSKB-3-4							3	4 (#14 - #10)				
HSKB-4							4	4 (#14 - #10)				



HSKB-2



HSKB-3



HSKB-3-4



HSKB-4

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CLEAR KWIK RECOVERY HEAT SHRINK KITS - For AWG Wire Size #14 to #10 - Tubing: HST-HSK-3-CL
Tube length: 3" (76.2mm)

Part No	Expanded ID (D)		Recovered ID (d)		Recovered Wall Thickness (W)		No. of Shrink Tubes	No. of Stakeons Part No: SC-14-10	Stakon Length			Stakon colour
	in	mm	in	mm	in	mm			in	mm		
HSKC-2	0.41	10.5	0.10	2.6	0.043	1.09	2	2 (#14 - #10)	13/16	0.817	20.75	Silver
HSKC-3							3	3 (#14 - #10)				
HSKC-3-4							3	4 (#14 - #10)				
HSKC-4							4	4 (#14 - #10)				
HSKC-12							12	12 (#14 - #10)				



HSKC-2



HSKC-3



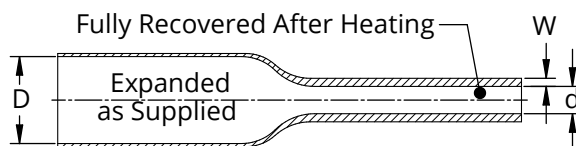
HSKC-3-4



HSKC-4



HSKC-12



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HST(XXXX)-48-BK & HST-HS1410-3-BK SERIES - BLACK HEAT SHRINK TUBING (CSA & UL APPROVED) AWG SIZE #19 TO #350

HST(XXXX)-48-BK tubing is 48" lengths that can be cut to desired size, not sold in a kit.
HST-HS1410-3-BK is available in 3" long tubes bulk package of 25 pieces.

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Seals and protects cable splices and terminations.
- Complete moisture sealing in submersed connections and environmental protection in underground connections.
- High impact, abrasion, corrosion and chemical resistance.
- Flame retardant due to the carbon content (carbon black) in CFW black tubing.

SPECIFICATIONS:

- Made from CFW heavy wall black adhesive lined cross-linked polyolefin heat shrinkable tubing with a 3:1 shrink ratio.

NOTE: Due to the substantial wall thickness, the tubing takes longer to shrink to it's fully recovered state; approx. 40-50 seconds. Time will vary depending on job site conditions and the heat source that is used.

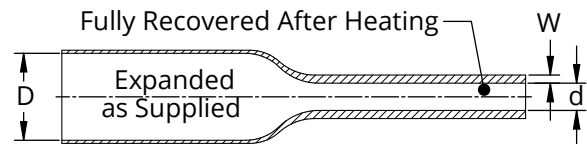
CERTIFICATIONS:

- Heat Shrink Tubes
 - CSA C22.2 No. 198.2-05; (065789_0_000)
 - UL 486D; (E132914)
- RoHS Certified Directive 2002/95/EC<0.10% Pb
- ANSI C119-1
- Western Underground Guide Numbers 2.4 and 2.5
- ICEA and NEMA insulation thickness requirements
- DNV Type approval



RATINGS:

- Continuous operating temperature -67°F to 230°F (-55°C to 110°C)
- Rated for 1 kV, 90°C continuous use
- Shrink temperature: 248°F (120°C)



CSA & UL Approved BLACK 48" LENGTH HEAT SHRINK TUBING - Tubing: CFW									
Part No	Expanded ID (D)		Recovered ID (d)		AWG Wire Size	Tube Length		Recovered Wall Thickness (W)	
	in	mm	in	mm		in	mm	in	mm
HST350-48-BK*	0.35	8.9	0.12	3.0	#14 to #19	48	1219.2	0.07	1.78
HST500-48-BK**	0.51	13.0	0.16	4.1	#8 to #6			0.08	2.03
HST750-48-BK◇	0.75	19.1	0.24	6.1	#6 to #2			0.12	3.05
HST1100-48-BK	1.10	27.9	0.35	8.9	#1 to #3/0			0.12	3.05
HST1500-48-BK	1.50	38.1	0.47	11.9	#2-0 to #350			0.14	3.56

*Used in HST-HS1410-3-BK 2" bulk packages of 25 pieces, & HS1410-(X) Heavy Duty Standard Kits

**HS6 & HS8 Kits, HS8-4XLS & HS6-4XLS Deluxe Kits

◇HS4-4XLS Deluxe Kits

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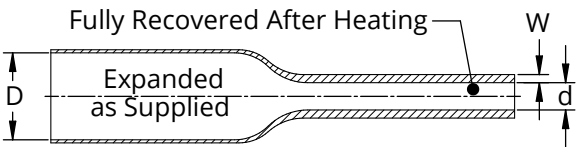
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CSA & UL Approved BLACK HEAT SHRINK TUBING - For AWG Wire Size #14 to #10								
Part No	Expanded ID (D)		Recovered ID (d)		Tube Length		Recovered Wall Thickness (W)	
	in	mm	in	mm	in	mm	in	mm
Black Heavy Duty - Tubing: CFW 350 (3" tubes in bulk package of 25)								
HST-HS1410-3-BK*	0.35	8.9	0.12	3.0	3	76.2	0.07	1.8
*Used in HS1410 Kits								



HST(XXX)-48 & HST-HS(K)-3 SERIES - HEAT SHRINK TUBING (NON CERTIFIED)

AWG SIZE #14 TO #2

These products are available in 48" lengths that can be cut to desired size, not sold in a kit, or available in 3" long tubes bulk package of 25 pieces.

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Seals and protects cable splices and terminations.
- Complete moisture sealing and environmental protection.
- High impact, abrasion, corrosion and chemical resistance, strain relief for delicate wire connections.
- Black tubing is flame retardant due to the carbon content (carbon black) in CFM black tubing.
- Clear tubing is NOT flame retardant.
- Clear tubing allows for visual inspection of splices. Especially helpful for underwater applications to ensure no air pockets remain within the seal, and for any print on wires to be visible.



SPECIFICATIONS:

- HST(XXX)-48 and HST-HS-3 Tubing made is from CFM medium wall adhesive lined cross-linked polyolefin heat shrinkable tubing with a 3:1 shrink ratio.
- HST-HSK-3 Tubing is made from CWWT-450 400 thin wall adhesive lined cross-linked polyolefin heat shrinkable tubing with a 4:1 shrink ratio.

NOTE: Due to the substantial wall thickness, the HST(XXX)-48 and HST-HS-3 series tubing takes longer to shrink to it's fully recovered state; approx. 40-50 seconds. The HST-HSK-3 tubing will **shrink rapidly** to it's fully recovered diameter in 25-30 seconds. Time will vary depending on job site conditions and the heat source that is used.

CERTIFICATIONS:

- RoHS Certified Directive 2002/95/EC<0.10% Pb

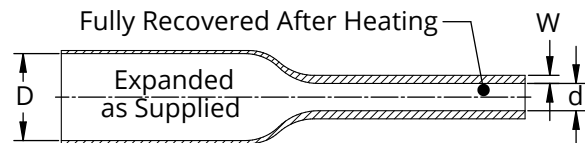


NOTE:

- This tubing not CSA or UL certified.

RATINGS:

- Continuous operating temperature -67°F to 230°F (-55°C to 110°C)
- Shrink temperature: 248°F (120°C)



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BLACK HEAT SHRINK TUBING - For AWG Wire Size #14 To #10 (3" tubes are in bulk package of 25)								
Part No	Expanded ID (D)		Recovered ID (d)		Wall Thickness (W)		Tube Length	
	in	mm	in	mm	in	mm	in	mm
Black Heavy Duty - 3" tubes are in bulk package of 25 - Tubing: CFM 400 (3:1 shrink ratio)								
HST-HS-3-BK*	0.40	10.16	0.15	3.81	0.08	2.03	3	76.2
HST400-48-BK	0.40	10.16	0.15	3.81	0.08	2.03	48	1219.2
Black Kwik Recovery - 3" tubes are in bulk package of 25 - Tubing: CWWT-450 400 (4:1 shrink ratio)								
HST-HSK-3-BK**	0.41	10.5	0.10	2.6	0.043	1.09	3	76.2
* Used in Non Certified HS(X) Heavy Duty & Deluxe Kits ** Used in HSK(B) Kwik Recovery Kits								



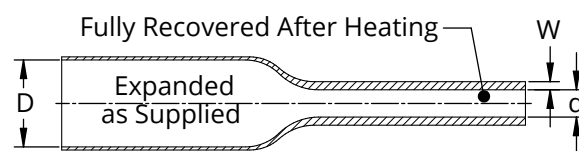
HST-HS-3-BK



HST400-48-BK



HST-HSK-3-BK



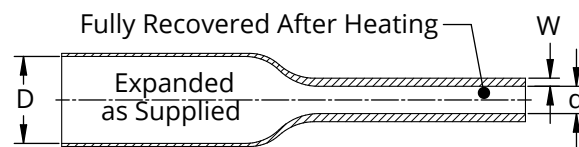
CLEAR HEAT SHRINK TUBING - For AWG Wire Size #14 To #10 (3" tubes are in bulk package of 25)								
Part No	Expanded ID (D)		Recovered ID (d)		Wall Thickness (W)		Tube Length	
	in	mm	in	mm	in	mm	in	mm
Clear Heavy Duty - 3" tubes are in bulk package of 25 - Tubing: CFM 400 (3:1 shrink ratio)								
HST-HS-3-CL*	0.40	10.16	0.15	3.81	0.08	2.03	3	76.2
HST400-48-CL	0.40	10.16	0.15	3.81	0.08	2.03	48	1219.2
*Used in HSC Heavy Duty & Deluxe Kits								



HST-HS-3-CL



HST400-48-CL



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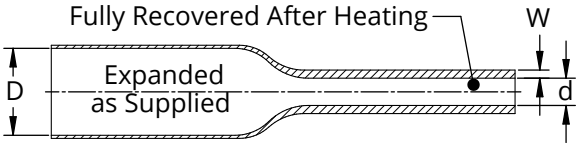
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CLEAR HEAT SHRINK TUBING - For AWG Wire Size #8 to #2								
Part No	Expanded ID		Recovered ID		Wall Thickness		Tube Length	
	in	mm	in	mm	in	mm	in	mm
Clear Heavy Duty - Tubing: CFM 750 (3:1 shrink ratio)								
HST750-48-CL*	0.75	19.05	0.22	5.59	0.08	2.03	48	1219.2
*Used in HSC(X) Standard and HSC(X)-4XLS Deluxe Kits								



HST750-48-CL



SC SERIES - STAKON CONNECTORS

AWG SIZE #14 TO #8

Stakons are used to connect electrical components, like wire, and are then crimped to keep the connection secure. The appropriate heat shrink tubing is then used over the stakon to insulate and seal the connection.

APPLICATIONS:

- Maximum reliability for insulating and protecting power cable connections and terminations.
- Commonly used in electrical, utility and industrial applications, designed for the new smaller O.D. motor lead wires being used on submersible pumps.
- Suitable for applications up to 600 volts.

FEATURES:

- Connects and seals cable splices and terminations.
- Deluxe stakons are extra-long for double crimping.
- Beveled entry for easy cable insertion.
- Center dimple to ensure wire does not reach over center, or inserted too far. This also ensures maximum contact and tensile strength after crimping.

SPECIFICATIONS:

- Lead Free
- Seamless Copper, Electro-Tin Plating

CERTIFICATIONS:

- SC-14-10 Stakons:
 - CSA C22.2 No. 150; (018689_C_000)
 - UL 486D; (E32244)
- SC-(X)XLS Stakons:
 - CSA C22.2 No. 65; (023769_0_000)
 - UL 486D; (E12822)
- RoHS Certified Directive 2002/95/EC<0.10% Pb



RATINGS:

- Continuous operating temperature -67°F to 230°F (-55°C to 110°C)

CSA & UL Approved - (Long) STAKON SPECIFICATIONS							
Part No	AWG Wire Size	Max Wire Diameter (ID)		Length of Stakon			Colour
		in	mm	in	mm	mm	
SC-14-10	#14, #12, & #10	0.145	3.683	13/16	0.817	20.75	Silver

CSA & UL Approved - DELUXE (Extra Long) STAKON SPECIFICATIONS							
Part No	AWG Wire Size	Max Wire Diameter (ID)		Length of Stakon			Colour
		in	mm	in	mm	mm	
SC-8XLS	#8	0.146	3.708	2	2.000	50.80	Red
SC-6XLS	#6	0.173	4.394	2-3/8	2.375	60.33	Blue
SC-4XLS	#4	0.245	6.223	2-3/8	2.395	60.83	Grey
SC-2XLS	#2	0.306	7.772	2-5/8	2.634	66.90	Brown

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NOTE: Standard (Short Pattern) Stakons are not CSA or UL approved.

STANDARD (Short Pattern) STAKON SPECIFICATIONS							
Part No	AWG Wire Size	Max Wire Diameter (ID)		Length of Stakon			Colour
		in	mm	in		mm	
SC-8	#8	0.172	4.369	7/8	0.845	21.46	Silver
SC-6	#6	0.225	5.715	1	1.030	26.16	
SC-4	#4	0.300	7.620	1-1/8	1.155	29.34	
SC-2	#2	0.367	9.322	1-1/4	1.265	32.13	



SC-8



SC-6



SC-4



SC-2

