

Shrink-Kon® Heat-Shrinkable Tubing

HS Series

- Made of thermally stabilized cross-linked polyolefin, enabling a recovered wall thickness greater than the cable jacket replaced
- Withstands severe mechanical requirements of U.R.D., submersible, and direct-burial installations
- Tubing, featuring an internally applied sealant, offers protection against moisture, and may be used over lead, steel, aluminum, copper, standard plastic and elastomeric insulating materials
- Shrink temperature of 120° C
- High impact, abrasion, corrosion and chemical resistance
- Rated for 600V, 90° C continuous use. Maximum rating 1kV at 90° C
- Thermoplastic adhesive liner provides complete environmental protection and insulation
- Meets: UL® 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guide Numbers 2.4, 2.5, ICEA and NEMA insulation thickness requirements
- Continuous operating temperature: -55° C to 110° C

3:1 Shrink Ratio



HS Series Specifications

PROPERTY	TEST METHOD	TYPICAL PERFORMANCES	PROPERTY	TEST METHOD	TYPICAL PERFORMANCES
Physical			Chemical		
• Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5MPa)	• Fluid Resistance	MIL-DTL-23053	Good to Excellent
• Elongation	ASTM D412, ISO 37	600%	• Fungus Resistance	ASTM G21	No Growth
• Elongation after Heat Aging (168 hrs. at 150° C)	ASTM D2671	500%	• Copper Corrosion	ASTM D2671	No Corrosion
• Heat Shock (4 hrs. at 225° C)	ASTM D2671	No cracking or flowing	• Water Absorption	ASTM D570	0.1%
• Longitudinal Change	ASTM D2671	+1%, -10%	Adhesive		
• Low Temperature Flexibility (4 hrs. at -55° C)	ASTM D2671	No cracking	• Adhesive Lap Shear (1 in./min. at 23° C)	ASTM D1002	125 psi (.875 MPa)
• Specific Gravity	ASTM D792	1.1	• Adhesive Softening Point	ASTM E28	92° C ±5° C
• Hardness (Shore D)	ASTM D2240	50D	• Adhesive Peel Strength (300mm/min. at 23° C) — to steel, aluminum, P.E. — PVC	ASTM D1000	35 pli 20 pli
Electrical			• Water Penetration	STM 706	No penetration after 236 hrs. of continuous immersion
• Dielectric Strength	ASTM D149	500V/Mil (20kV/mm)			
• Dielectric Voltage Withstand	UL 486D	No Breakdown, (2500V, 60 Hz, 1 Min.)			
• Volume Resistivity	ASTM D257	1016 ohm-cm			

Shrink-Kon® Heat-Shrinkable Tubing

HS Series Heavy-Wall Heat-Shrinkable Tubing — Black

CAT. NO.	MIN. EXPANDED I.D. (IN.)	MAX. RECOVERED I.D. (IN.)	NOM. RECOVERED WALL (IN.)	STD. LENGTH (IN.)	FITS ANY LISTED OR CERTIFIED AL OR CU SPLICE WITH DIM NO LARGER THAN		STD. CABLE RANGE	PKG. QTY.
					O.D. (IN.)	LENGTH (IN.)		
HS16-12	.35	.12	.07	3	.27	1.00	#16 to #12 AWG	25
HS16-12L	.35	.12	.07	6	.27	1.00	#16 to #12 AWG	25
HS16-12-4	.35	.12	.07	48	.27	1.00	#16 to #12 AWG	5
HS12-6	.51	.16	.09	3	.38	1.75	#12 to #6 AWG	25
HS12-6L	.51	.16	.09	6	.38	1.75	#12 to #6 AWG	25
HS12-6-4	.51	.16	.09	48	.38	1.75	#12 to #6 AWG	5
HS6-1	.75	.24	.09	4	.63	2.50	#6 to #1 AWG	25
HS6-1L	.75	.24	.09	8	.63	2.50	#6 to #1 AWG	25
HS6-1-4	.75	.24	.09	48	.63	2.50	#6 to #1 AWG	5
HS4-30	1.10	.35	.12	5	.75	3.25	#4 to 3/0 AWG	20
HS4-30L	1.10	.35	.12	9	.75	3.25	#4 to 3/0 AWG	10
HS4-30-4	1.10	.35	.12	48	.75	3.25	#4 to 3/0 AWG	5
HS40-400	1.50	.47	.16	8	—	—	4/0 AWG to 400 kcmil	10
HS40-400L	1.50	.47	.16	12	—	—	4/0 AWG to 400 kcmil	10
HS40-400-4	1.50	.47	.16	48	—	—	4/0 AWG to 400 kcmil	5
HS500-1000	2.00	.63	.16	9	—	—	500-1000 kcmil	5
HS500-1000L	2.00	.63	.16	15	—	—	500-1000 kcmil	2
HS500-1000-4	2.00	.63	.16	48	—	—	500-1000 kcmil	2
HS12-30*	3.54	1.18	.16	12	—	—	800-1250 kcmil	2
HS30-30*	3.54	1.18	.16	30	—	—	800-1250 kcmil	2
HS30-4*	3.54	1.18	.16	48	—	—	800-1250 kcmil	1
HS12-40*	4.72	1.57	.17	12	—	—	1500-2500 kcmil	1
HS30-40*	4.72	1.57	.17	30	—	—	1500-2500 kcmil	1
HS40-4-TB*	4.72	1.57	.17	48	—	—	1500-2500 kcmil	1

Order multiple is std. pkg.
All lengths have factory-applied sealant.
UL File No. E9809, UL 486D.
* Not UL Listed.



Wire Termination — Sta-Kon® Wire Termination & Insulation

HS Series Heavy-Wall Heat-Shrinkable Tubing — Red

CAT. NO.	MIN. EXPANDED I.D. (IN.)	MAX. RECOVERED I.D. (IN.)	LENGTH (IN.)	FOR 2-WAY CONNECTOR CABLE SIZES	STD. PKG. QTY.
HS12-6LR	.51	.16	6	#8-#6 AWG	25
HS6-1LR	.75	.24	8	#6-#2 AWG	25
HS4-30LR	1.10	.35	9	#1-3/0 AWG	10

Order multiple is std. pkg.
All lengths have factory-applied sealant.
UL File No. E9809, UL 486D



Heavy-Wall Tubing (25' rolls) — Black

CAT. NO.	MIN. EXPANDED I.D. (IN.)	MAX. RECOVERED I.D. (IN.)	NOMINAL RECOVERED WALL (IN.)	CODE CABLE SIZE	STD. PKG. (ROLLS)
HS16-12-25	.35	.12	.07	#14-#10 AWG	1
HS12-6-25	.51	.16	.09	#8-#6 AWG	1
HS6-1-25	.75	.24	.09	#6-#2 AWG	1
HS4-30-25	1.10	.35	.12	#1-3/0 AWG	1
HS40-400-25	1.50	.47	.16	2/0 AWG-350 kcmil	1
HS500-1000-25	2.00	.63	.16	250-500 kcmil	1

Order by reel, not by feet. 25' reels **not** supplied with factory-applied sealant.
Not UL Listed.

