

## Heavy-Wall Heat-Shrinkable Tubing

### HS Series

**3:1 Shrink Ratio**

Shrink-Kon®



- Made of thermally stabilized cross-linked polyolefin, enabling a recovered wall thickness greater than that of 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
- 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



#### HS Series Specifications

PROPERTY	TEST METHOD	TYPICAL PERFORMANCES	PROPERTY	TEST METHOD	TYPICAL PERFORMANCES
<b>Physical</b>			<b>Chemical</b>		
• 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%	<b>Adhesive</b>		
• 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)	ASTM D1000	
<b>Electrical</b>			— to steel, aluminum, P.E.		35 pli
• Dielectric Strength	ASTM D149	500 V/Mil (20kV/mm)	— PVC		20 pli
• Dielectric Voltage Withstand (2500 V, 60Hz, 1 Min.)	UL 486D	No Breakdown, 24kV – 1 min., 15kV – 4 hrs.	• Water Penetration	STM 706	No penetration after 236 hrs. of continuous immersion
• Volume Resistivity	ASTM D257	1016 ohm-cm			

## Heavy-Wall 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. PKG. QTY.
					O.D. (IN.)	LENGTH (IN.)	CABLE RANGE	
HS16-12	.35	.12	.07	3	.27	1.00	#14 to #10 AWG	25
HS16-12L	.35	.12	.07	6	.27	1.00	#14 to #10 AWG	25
HS16-12-4	.35	.12	.07	48	.27	1.00	#14 to #10 AWG	5
HS12-6	.51	.16	.09	3	.38	1.75	#8 to #6 AWG	25
HS12-6L	.51	.16	.09	6	.38	1.75	#8 to #6 AWG	25
HS12-6-4	.51	.16	.09	48	.38	1.75	#8 to #6 AWG	5
HS6-1	.75	.24	.09	4	.63	2.50	#6 to #2 AWG	25
HS6-1L	.75	.24	.09	8	.63	2.50	#6 to #2 AWG	25
HS6-1-4	.75	.24	.09	48	.63	2.50	#6 to #2 AWG	5
HS4-30	1.10	.35	.12	5	.75	3.25	#1 to 3/0 AWG	20
HS4-30L	1.10	.35	.12	9	.75	3.25	#1 to 3/0 AWG	10
HS4-30-4	1.10	.35	.12	48	.75	3.25	#1 to 3/0 AWG	5
HS40-400	1.50	.47	.16	8	—	—	2/0 to 350 MCM	10
HS40-400L	1.50	.47	.16	12	—	—	2/0 to 350 MCM	10
HS40-400-4	1.50	.47	.16	48	—	—	2/0 to 350 MCM	5
HS500-1000	2.00	.63	.16	9	—	—	250-500 MCM	5
HS500-1000L	2.00	.63	.16	15	—	—	250-500 MCM	2
HS500-1000-4	2.00	.63	.16	48	—	—	250-500 MCM	2
HS12-30**	3.54	1.18	.16	12	—	—	800-1250 MCM	2
HS30-30**	3.54	1.18	.16	30	—	—	800-1250 MCM	2
HS30-4**	3.54	1.18	.16	48	—	—	800-1250 MCM	1
HS12-40**	4.72	1.57	.17	12	—	—	1500-2500 MCM	1
HS30-40**	4.72	1.57	.17	30	—	—	1500-2500 MCM	1
HS40-4-TB**	4.72	1.57	.17	48	—	—	1500-2500 MCM	1

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



Shrink-Kon®

### 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	2/0-350 MCM	1
HS500-1000-25	2.00	.63	.16	250-500 MCM	1

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



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