

Heavy-Wall Heat-Shrinkable Tubing

HS Series

3:1 Shrink Ratio



- 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 600 V, 90°C continuous use
- Thermoplastic adhesive liner provides complete environmental protection and insulation
- Meets: UL and CSA standards, 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
- T&B recommended up to 1 kV
- UV rated (ASTM G53)

HS Series Specifications



Property	Test Method	Typical Performances
Physical		
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5 MPa)
Elongation		600%
Elongation after Heat Aging (168 hrs. at 150°C)	ASTM D2671	500%
Heat Shock (4 hrs. at 225°C)		No cracking or flowing
Longitudinal Change		+1%, -10%
Low Temperature Flexibility (4 hrs. at -55°C)		No cracking
Specific Gravity	ASTM D792	1.1
Hardness (Shore D)	ASTM D2240	50D
Electrical		
Dielectric Strength	ASTM D149	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500 V, 600Hz, 1 Min.)	UL 486D	No Breakdown, 24kV-1 min., 15kV-4 hrs.
Volume Resistivity	ASTM D257	1016 ohm-cm
Chemical		
Fluid Resistance	MIL-DTL-23053	Good to Excellent
Fungus Resistance	ASTM G21	No growth
Copper Corrosion	ASTM D2671	No corrosion
Water Absorption	ASTM D570	0.1%
Adhesive		
Adhesive Lap Shear (1 in./min. at 23°C)	ASTM D1002	125 psi (0.875 MPa)
Adhesive Softening Point	ASTM E28	90°C±5°C
Adhesive Peel Strength (300mm/min. at 23°C)	ASTM D 1000	35 linear lb./in.
- to steel, aluminum, P.E. - PVC		20 linear lb./in.
Water Penetration	STM 706	No penetration after 236 hrs. of continuous immersion

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 dia. no larger than		Cable Range	Std. Pkg. Qty.
					O.D. (in.)	Length (in.)		
HS16-12	0.35	0.12	0.07	3	0.27	1.00	#14 AWG to #10 AWG	25
HS16-12L				6				
HS16-12-4				48				
HS12-6	0.51	0.16	0.09	3	0.38	1.75	#8 AWG to #6 AWG	25
HS12-6L				6				
HS12-6-4				48				
HS6-1	0.75	0.24	0.09	4	0.63	2.50	#6 AWG to #2 AWG	25
HS6-1L				8				
HS6-1-4				48				
HS4-30	1.10	0.35	0.12	5	0.75	3.25	#1 AWG to 3/0 AWG	20
HS4-30L				9				
HS4-30-4				48				
HS40-400	1.50	0.47	0.16	8	-	-	2/0 kcmil to 350 kcmil	10
HS40-400L				12				
HS40-400-4				48				
HS500-1000	2.00	0.63	0.16	9	-	-	250 kcmil to 500 kcmil	5
HS500-1000L				15				
HS500-1000-4				48				
HS12-30**	3.54	1.18	0.17	12	-	-	800 kcmil to 1250 kcmil	2
HS30-30**				30				
HS30-4**				48				
HS12-40**	4.72	1.57	0.17	12	-	-	1500 kcmil to 2500 kcmil	1
HS30-40**				30				
HS40-4-TB				48				

Order multiple is std. pkg. All lengths have factory-applied sealant
 **UL not applicable



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	0.51	0.16	6	#8-6 AWG	25
HS6-1LR	0.75	0.24	8	#6-2 AWG	
HS4-30LR	1.10	0.35	9	#1-3/0 AWG	

Order multiple is std. pkg.
 All lengths have factory-applied sealant



Heavy-Wall Tubing (25 ft. rolls) — Black

Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Length (in.)	For 2-Way Connector Cable Sizes	Std. Pkg. Qty.
HS16-12-25	0.35	0.12	0.07	#14-10 AWG	1
HS12-6-25	0.51	0.16	0.09	#8-6 AWG	
HS6-1-25	0.75	0.24		#6-#2 AWG	
HS4-30-25	1.10	0.35	0.12	#1-3/0 AWG	
HS40-400-25	1.50	0.47	0.16	2/0-350 kcmil	
HS500-1000-25	2.00	0.63		250-500 kcmil	

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

