

## Heavy Wall Heat Shrinkable Tubing



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



Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Nominal Recovered Wall (in.)	Std. Pkg. (Rolls)
HS16-12-25	.350"	.120"	.070"	1
HS12-6-25	.510"	.160"	.090"	1
HS6-1-25	.750"	.240"	.090"	1
HS4-30-25	1.100"	.350"	.120"	1
HS40-400-25	1.500"	.470"	.160"	1
HS500-1000-25	2.000"	.630"	.160"	1

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

### Heavy Wall Tubing (25 ft. rolls)—Red



Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Nominal Recovered Wall (in.)	Std. Pkg. (Rolls)
HS12-6-25R	.510"	.160"	.090"	1
HS40-400-25R	1.500"	.470"	.160"	1

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

### Technical Data – HS Series

Property	Test Method	Typical Performances
<b>PHYSICAL</b>		
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5MPa)
Elongation	ASTM D412, ISO 37	600%
Elongation after Heat Aging (168 hrs. at 150°C)	ASTM D2671	500%
Heat Shock (4 hrs. at 225°C)	ASTM D2671	No cracking or flowing
Longitudinal Change	ASTM D2671	+1%, -10%
Low Temperature Flexibility (4 hrs. at -55°C)	ASTM D2671	No cracking
Specific Gravity	ASTM D792	1.1
Hardness (Shore D)	ASTM D2240	50D
<b>ELECTRICAL</b>		
Dielectric Strength	ASTM D149	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500 V, 60Hz, 1 Min.)	UL 486D	No Breakdown, 24kV – 1 min., 15kV – 4 hrs.
Volume Resistivity	ASTM D257	10 <sup>10</sup> ohm-cm
<b>CHEMICAL</b>		
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%
<b>ADHESIVE</b>		
Adhesive Lap Shear (1 in./min. at 23°C)	ASTM D1002	125 psi (.875 MPa)
Adhesive Softening Point	ASTM E28	92°C ±5°C
Adhesive Peel Strength (300mm/min. at 23°C)	ASTM D1000	
• to steel, aluminum, P.E.		35 pli
• PVC		20 pli
Water Penetration	STM 706	No penetration after 236 hrs. of continuous immersion

## Heavy Wall Heat Shrinkable Tubing



T&B's heat shrinkable tubing is made of thermally stabilized cross-linked polyolefin. This provides a recovered wall thickness greater than that of the cable jacket replaced. The insulating covers which have an internally applied sealant offer protection against moisture, may be used over lead, steel, aluminum, copper, standard plastic and elastomeric insulating materials.



### HS Series



- Heavy wall heat shrinkable tubing provides maximum reliability for insulating and protecting cable joints and terminations.
- Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations.
- 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. Shrink temperature 120°C. Shrink ratio 3:1.

### Black

Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Nom. Recovered Wall (in.)	Std. Lgth.	Fits Any Listed or Certified Al or Cu Splice with Dim No Larger Than O.D. Lgth.		Cable Range	Std. Pkg.
HS16-12				3 in.				100
HS16-12L	.350"	.120"	.070"	6 in.	1 7/8"	1"	#14 to #10 AWG	25
HS16-12-4				4 ft.				50
HS12-6				3 in.				100
HS12-6L	.510"	.160"	.090"	6 in.	3/8"	1 3/4"	#8 to #6 AWG	25
HS12-6-4				4 ft.				50
HS6-1				4 in.				25
HS6-1L	.750"	.240"	.090"	8 in.	5/8"	2 1/2"	#6 to #2 AWG	25
HS6-1-4				4 ft.				50
HS4-30				5 in.				20
HS4-30L	1.100"	.350"	.120"	9 in.	3/4"	3 1/4"	#1 to 3/0 AWG	10
HS4-30-4				4 ft.				50
HS40-400				8 in.				10
HS40-400L	1.500"	.470"	.160"	12 in.			2/0 to 350 MCM	10
HS40-400-4				4 ft.				50
HS500-1000				9 in.				5
HS500-1000L	2.00"	.630"	.160"	15 in.			250 MCM to 600 MCM	10
HS500-1000-4				4 ft.				20
HS12-30**				12 in.				10
HS30-30**	3.540"	1.180"	.160"	30 in.	—		750 MCM to 1250 MCM	10
HS30-4**				4 ft.				5
HS12-40**				12 in.				5
HS30-40**	4.720"	1.570"	.170"	30 in.	—		1500 MCM to 2500 MCM	5
HS40-4**				4 ft.				1

### Red

Cat. No.	Min. Expanded I.D. (in.)	Max. Recovered I.D. (in.)	Lgth. (in.)	For 2-Way Connector Cable Sizes	Std. Pkg.
HS16-12LR	.350"	.120"	6"	14-10 AWG	1
HS12-6LR	.510"	.160"	6"	8-6 AWG	1
HS6-1LR	.750"	.240"	8"	6-2 AWG	25
HS4-30LR	1.100"	.350"	9"	1-3/0 AWG	10
HS40-400LR	1.500"	.470"	12"	2/0-350 MCM	1
HS500-1000LR	2.000"	.630"	15"	250-600 MCM	1

All lengths have factory applied sealant.  
 For other sizes and lengths including flame retardant grades consult factory.  
 U.L. File No. E9809, U.L. 486D  
 \*\* Not U.L. Listed