

## Heavy-wall heat-shrinkable tubing

### HSB Series – Heat-shrinkable breakout boots

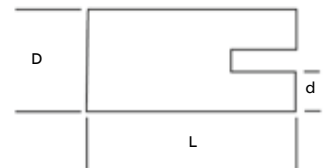
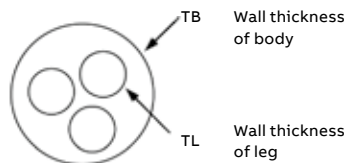


- Boots for 2-, 3- and 4-cable breakouts
- Thermoplastic adhesive liner provides complete environmental protection and insulation
- Meets ESI 09-11
- Strain relief and mechanical protection
- Continuous operating temperature: -55 °C to 100 °C
- Shrink temperature of 135 °C

#### Heat-shrinkable breakout boots

Cat. no.	No. legs	D		d		L	TB	TL	Application legs 600 V conductor (AWG/kcmil)	Std. pkg. qty.
		Expanded dia. (min.) (in.)	Recovered dia. (max.) (in.)	Expanded dia. (min.) (in.)	Recovered dia. (max.) (in.)					
HSB200-75-2	2	1.97	0.90	0.83	0.30	4.69	0.13	0.13	#3–300	10
HSB120-50-3	3	1.50	0.50	0.65	0.16	4.47	0.11	0.11	#8–3/0	10
HSB170-82-3	3	2.20	0.89	1.20	0.35	7.09	0.12	0.12	#1–600	10
HSB240-112-3	3	2.83	1.38	1.46	0.69	7.01	0.16	0.12	300–1,000	10
HSB125-50-4	4	1.83	0.47	0.59	0.12	3.74	0.10	0.08	#12–2/0	10
HSB175-82-4	4	2.36	0.90	1.18	0.25	7.95	0.16	0.13	#4–600	10
HSB265-120-4	4	3.10	1.40	1.50	0.49	9.45	0.13	0.13	3/0–1,000	10
HSB350-138-3	3	3.54	1.34	1.38	0.55	7.87	0.12	0.08	4/0–1,000	5
HSB430-157-3	3	4.33	1.38	1.57	0.69	7.01	0.16	0.12	300–1,000	5
HSB490-200-3	3	4.92	2.32	2.00	1.00	11.14	0.15	0.15	450–1,000	5
HSB520-135-4	4	5.25	3.00	1.35	0.55	10.02	0.13	0.16	4/0–1,000	5

#### Diagrams



#### HSB Series specifications

Property	Test method	Typical performances
<b>Physical</b>		
Tensile strength	ASTM D412, ISO 540	2,100 psi (14.5 MPa)
Ultimate elongation	ASTM D412, ISO 540	600%
Elongation after heat aging (168 hrs. at 175 °C)	ASTM D412, ISO 540	520%
Heat shock (4 hrs. at 225 °C)	ASTM2671	No dripping, cracking, flowing
Low temperature flexibility (-55 °C)	ASTM2671	No cracking
Flammability	ASTM D630	Self ext. within 1.97 sec.
<b>Electrical</b>		
Dielectric strength	ASTM D2671	280 V/mil (11 kV/mm)
<b>Chemical</b>		
Water absorption	ASTM D570	0.03%