



# HLB Moulded Parts

Low voltage breakout 2 to 5 cores



### Shelf life & storage:

Heat Shrink Product provided by Hongshang has a over 5 year's shelf life from date of manufacture when stored in a humidity controlled environment (-10°C to 40°C and <75% relative humidity).

### Ordering information:

Standard colors:  
Black.

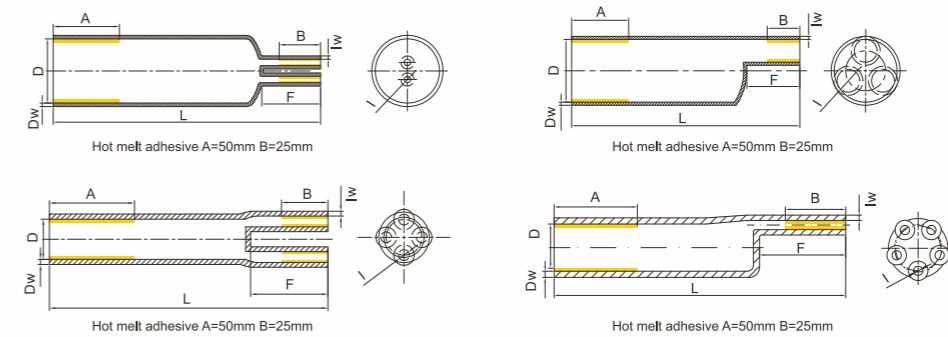
### Features:

Spiral adhesive coated	Insulation
UV resistant	Shrink ratio 2-3:1
Min. full recovery temp.: 120°C	

### Typical technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	12MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Volume resistivity	IEC 93	10 <sup>14</sup> Ω.cm min.
Dielectric strength	IEC 60243	12kV/mm(1.0mm) min.
Water absorption	ISO 62	0.5% max.
Heat shock at 225°C/4hrs	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.0~1.1g/cm <sup>3</sup>

### Dimensions:



Size	As supplied(mm)±10%		D (mm)		I (mm)		Recovered length(mm) ±10%		Recovered wall(mm) ±20%	
	l*	f*	a* (Min.)	b* (Max.)	a* (Min.)	b* (Max.)	L	F	Dw	Iw
<b>2 Cores cable breakout</b>										
HLB205-22/8	55	16	22	12	11	3.5	60	18	2.2	1.8
HLB210-30/12	80	22	30	14	14	4.5	84	21	2.6	2.4
HLB215-40/16	100	30	40	16	15	5.0	110	30	2.2	2.2
HLB220-60/23	95	21	60	23	25	8.0	105	25	2.4	2.4
HLB230-90/60	165	45	90	60	30	8.0	170	48	3.0	3.0
HLB250-160/90	290	170	160	92	50	30	310	160	4.5	4.5
<b>3 Cores cable breakout</b>										
HLB310-38/16	100	35	38	16	15	5	110	30	2.3	2.0
HLB320-60/25	170	40	60	25	26	8	175	45	3.2	2.8
HLB325-70/28	175	45	70	28	32	10	180	45	3.3	3.0
HLB330-80/38	190	50	80	38	34	16	195	55	3.5	3.3
HLB340-110/50	220	55	110	50	46	19	230	60	3.8	3.5
HLB350-125/57	230	58	125	57	55	20	240	65	3.7	3.3
HLB360-140/70	250	58	140	70	62	26	270	68	3.9	3.6
HLB370-170/77	250	55	170	77	75	28	270	68	3.9	3.6
<b>4 Cores cable breakout</b>										
HLB410-40/15	95	23	40	15	12	5.0	100	24	2.2	2.0
HLB420-55/21	145	40	55	21	20	5.5	150	42	2.9	2.7
HLB425-65/26	170	45	65	26	25	7.5	180	50	3.3	3.1
HLB430-75/26	180	45	75	26	28	7.5	190	50	3.3	3.1
HLB440-82/37	170	46	82	37	30	11	180	45	3.3	3.0
HLB445-90/37	170	46	90	37	32	11	180	50	3.3	3.0
HLB450-100/47	180	55	100	47	38	12	190	55	3.9	3.3
HLB460-125/52	215	50	125	52	50	15	240	68	4.0	4.0
HLB470-160/70	240	50	160	70	64	20	270	68	3.8	3.7
<b>5 Cores cable breakout</b>										
HLB510-40/19	90	20	40	19	13	4.5	85	20	2.5	2.2
HLB520-55/24	145	36	55	24	18	5.5	150	40	3.0	2.6
HLB530-80/33	160	46	80	33	26	8	175	50	3.2	3.0
HLB540-100/42	185	52	100	42	35	10	195	55	3.5	3.2

l\* = The length of L as supplied  
f\* = The length of F as supplied

a\* = Inner diameter as supplied  
b\* = Inner diameter after fully recovered

HRA2/HR2  
Medium Wall Tubing

HRTM  
Medium Wall Tubing

HRA3/HR3  
Heavy Wall Tubing

HRTH  
Heavy Wall Tubing

HRA-6X  
Heavy Wall Tubing

HRS  
Medium Wall Tubing

HAT/HATA  
Anti-tracking Tubing

HSCT  
Semi-conductive Tubing

HSC-100  
Stress Control Tubing

HSC-360  
Stress Control Tubing

HDWT  
Twin Layer Tubing

HTRT  
Triple Layer Tubing

HGT  
High Insulation Tubing

HEGT  
High Insulation Tubing

HOT  
Oil Resistant Tubing

HBTM/HBTH  
Busbar Insulation Tubing

Mastic tape  
Tape 55/  
Tape 65/Tape 75

HLB  
Low Voltage Breakout

HSEC  
Insulating End Cap

HCFT  
Cable Feed Thoughts

HCB  
Conductive Breakout

HAS/HMB/HMR  
Anti-tracking Rain Shed/Breakout/Boot