



Features/Applications

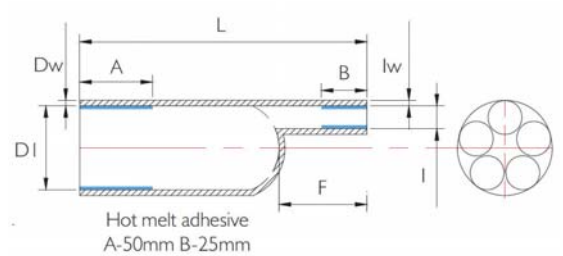
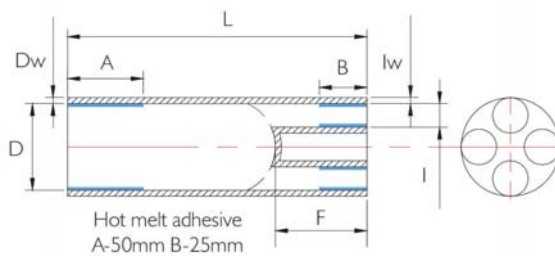
GREMSHAPES® GBOS is a hot melt lined polyolefin heat shrink moulded breakout. GREMSHAPES® GBOS offers a superior resistance to oxidation, UV radiation and excellent encapsulation properties. GREMSHAPES® GBOS are suitable for both open air and underground power distribution (up to 1kV) and telecommunication cables, with PVC or XLPE sheets.

Various

Standard colour: Black.
4 cores and 5 cores versions.

Dimensions

GREMSHAPES® GBOS	D (mm)		I (mm)		Recovered length		Recovered wall thickness	
	a (min.)	b (max.)	a (min.)	b (max.)	L (mm)	F (mm)	Dw (mm)	Iw (mm)
4 cores breakout								
LV4 40/12	40	12	14	3	100	25	2.4	1.7
LV4 41/16	41	16	14	4	100	23	2.4	1.7
LV4 50/17	50	17	17	4	95	23	2.4	1.7
LV4 58/26	58	26	21	7	170	48	3.5	2.5
LV4 70/28	70	28	25	8	165	46	3.5	2.5
LV4 70/30	70	30	25	9	190	48	3.7	2.6
LV4 80/31	80	31	31	10	190	47	3.7	2.6
LV4 90/42	90	42	35	13	210	52	3.7	2.6
LV4 100/44	100	44	35	13	208	51	3.7	2.6
LV4 125/44	125	44	40	14	208	51	3.7	2.6
LV4 180/80	180	80	70	40	200	260	5.0	4.0
5 cores breakout								
LV5 50/16	50	16	15	4	110	33	3.2	2.6
LV5 80/32	80	32	26	8	190	65	3.3	2.8
LV5 100/33	100	33	32	8	190	65	3.3	2.8
6 cores breakout								
LV6 44/12	44	32	13	4	55	82	2.2	2.0
LV6 85/37	85	37	23	7	100	140	3.2	2.6
7 cores breakout								
LV7 85/37	85	37	23	7	100	140	2.7	2.6
LV7 100/45	100	45	35	18	100	140	2.7	2.6



Property

Property	Values	Test Methods
Physical		
Operating temperature	-55°C to +110°C	IEC 216
Tensile strength	13MPa (min.)	ASTM D 2671
Tensile strength after thermal aging	10 MPa (min.)	ASTM D 2671 (120°C/168hrs.)
Elongation at break after thermal aging	250% (min.)	ASTM D 2671 (120°C/168hrs.)
Elongation at break	300% (min.)	ASTM D 2671
Water absorption	1% (max.)	ISO 62
Volume resistance	10 ¹³ Ω cm (min.)	IEC 93
Dielectric strength	15kV/mm (min.)	IEC 243
Flammability	Flammable	/

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed containers.

