

HEAT SHRINK LOW VOLTAGE CABLE BREAKOUT



Insulcore-Low voltage provides a strong and permanent environmental seal to the crutch of 2, 3, 4, 5, 6 and 7 core PVC, XLPE Rubber and PILC cables upto 1.1 KV rated voltage.

The Breakouts are Manufactured from high quality cross linked polyolefin material that offer an exceptional insulation and long term service reliability.

The Breakouts are internally coated with hot melt adhesive. These breakouts when installed in position provide 100% water/moisture proofness to the system according to IP 68 (Ingress Protection).

Customised dimensions of Breakouts available on request.

Technical Qualification Report : QR 1012

Selection Chart											
All dimensions are in mm											
CODE NO.	No. of Core	Ds		d		L		l		Tb	Tc
		Ds	Df	ds	df	Ls	Lf	ls	lf	f±10%	f±10%
LV2GBB-0308S	2	22	8	10	3	70	85	14	20	2.2	2.0
LV2GBB-0308	2	32	8	14	3	70	85	15	20	2.2	2.0
LV2GBB-0410	2	32	10	14	4	70	85	15	20	2.2	2.0
LV2GBB-0410A	2	42	11	14	4	65	85	14	20	2.2	2.0
LV2GBB-0720	2	60	20	24	7	95	120	25	34	3.0	2.5
LV2GBB-0720A	2	70	30	30	8	95	120	25	34	3.0	2.5
LV2GBB-1565	2	110	65	45	15	100	140	40	60	2.2	2.0
LV2GBB-1565A	2	156	65	50	15	100	140	40	60	2.2	2.0
LV2GBB-2075*	2	170	75	35	20	145	210	45	90	3.1	2.9
LV2GBB-2075A*	2	235	78	65	22	140	210	45	90	3.1	2.9
LV2GBB-24135	2	235	135	60	24	200	250	70	83	2.8	2.5
LV2GBB-55175	2	250	175	85	55	160	200	55	66	3.5	3.5
LV2GBB-55175A	2	355	180	155	60	150	200	50	66	3.5	3.5
LV3GBB-0309*	3	32	9	12	3	85	100	20	24	2.0	1.7
LV3GBB-0413	3	37	14	15	4	80	100	15	21	2.2	2.0
LV3GBB-0820	3	53	20	25	8	160	188	55	62	3.7	2.8
LV3GBB-0820A*	3	70	20	27	8	155	188	55	62	3.7	2.8
LV3GBB-1330	3	80	30	36	13	185	215	60	75	3.9	3.1
LV3GBB-1330A	3	95	30	39	13	185	215	60	75	3.9	3.1
LV3GBB-2145	3	110	45	55	20	200	235	70	88	4.3	3.0
LV3GBB-2145A	3	125	45	60	21	190	230	65	90	4.6	3.4
LV3GBB-2755	3	140	56	70	28	215	250	80	90	4.6	3.4
LV3GBB-2755A	3	180	58	70	29	200	250	75	90	4.6	3.4
LV3GBB-3060	3	200	60	75	30	155	225	55	85	4.6	3.4
LV4GBB-0312S	4	35	12	10	3	80	100	15	25	2.4	1.7
LV4GBB-0312	4	40	12	14	3	80	100	15	25	2.4	1.7
LV4GBB-0415	4	41	16	14	4	80	100	15	23	2.4	1.7
LV4GBB-0415A	4	50	17	17	4	75	95	15	23	2.4	1.7
LV4GBB-0821	4	58	26	21	7	140	170	32	48	3.5	2.5
LV4GBB-0825N*	4	55	25	25	9	160	195	35	51	3.5	2.3
LV4GBB-0825	4	70	25	25	8	160	185	30	35	3.0	2.5
LV4GBB-0925	4	70	30	25	9	155	190	35	48	3.7	2.6
LV4GBB-1130	4	80	31	31	10	150	190	32	47	3.7	2.6
LV4GBB-1334	4	90	42	35	13	170	210	40	52	3.7	2.6
LV4GBB-1334A	4	100	44	35	13	170	208	40	51	3.7	2.6
LV4GBB-2454	4	125	44	40	14	175	208	40	51	3.7	2.6
LV5GBB-0308*	5	32	8	10	3	95	117	22	28	2.1	1.7
LV5GBB-0415	5	50	16	15	4	85	110	23	33	3.2	2.6
LV5GBB-0415A	5	57	17	15	4	75	110	23	33	3.2	2.6
LV5GBB-0832	5	80	32	26	8	155	190	55	65	3.3	2.8
LV5GBB-0832A	5	100	33	32	8	150	190	50	65	3.3	2.8
LV6GBB-0412*	6	44	12	13	4	55	82	20	30	2.2	2.0
LV6GBB-0737	6	85	37	23	7	100	140	30	46	3.2	2.6
LV7GBB-0737	7	85	37	23	7	100	140	40	55	2.7	2.6

D, d : Internal Diameter; s : as supplied; f : after free recovery; Tb, Tc : Thickness of body & core * New sizes

Technical Specification		
PROPERTIES	VALUE	STANDARD
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.05± 0.2 gm/cm ³	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.2 % (max.)	ASTM D570
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temp. Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +100°C	IEC 216
Dielectric Strength	12 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150

