



# Heat Shrinkable Low Voltage Breakouts

Heat Shrink Low voltage breakouts up to 1kV



## Characteristics

This data sheet covers the requirements for heat shrink low voltage breakouts whose dimension will shrink to a predetermined size upon the application of heat above 125 deg. C. Color of the LV breakouts is black. The LV breakouts are electrically insulating, UV resistant and weather proof. LV Breakouts are with two, three, four or five fingers and are spiral coated on machine with poly-amide based hot melt adhesive or (against special orders) rubber mastic and covered with release paper).

## Typical Applications

The LV breakouts provide insulation and sealing over the crutch of multi-core cables. The hot melt adhesive or the mastic sealant provides a water tight environmental seal to the cable. The LV breakouts are normally used as an integral part of cable terminations up to 1kV.

## Materials

The base material of the LV breakouts is thermally stabilized, cross linked polyolefin blended with synthetic rubber. The basic resins are mixed with chemical additives offering fire retarding properties (optional) and protection against oxidation, ozone and other environmental effects. The fingers and the main body are internally machine coated with a polyamide based hot melt adhesive or on special request, manually applied with a butyl rubber based mastic which is electrical insulating and water-proof.

The following application table gives the dimensions of our LV Breakouts:

Breakout 2-F Model	Breakout main diameter		Finger Diameter		Full Length	Finger Length
	R (mm)	S (mm)	R (mm)	S (mm)	R (mm)	R (mm)
IXL 250	10.0	33.0	3.0	14.0	90.0	20.0
IXL 260	22.0	60.0	6.7	24.0	120.0	35.0

Breakout 3-F Model	Breakout main diameter		Finger Diameter		Full Length	Finger Length
	R (mm)	S (mm)	R (mm)	S (mm)	R (mm)	R (mm)
IXL 300	8.5	28.0	2.5	12.0	70.0	23.0
IXL 350	14.0	45.0	4.0	15.0	110.0	20.0
IXL 360	22.0	60.0	8.0	26.0	185.0	45.0
IXL 370	33.0	80.0	16.0	36.0	210.0	50.0
IXL 375	33.0	110.0	16.0	40.0	210.0	50.0
IXL 380	47.0	110.0	20.0	48.0	225.0	75.0
IXL 385	47.0	125.0	20.0	55.0	250.0	75.0
IXL 390	54.0	140.0	27.0	62.0	240.0	65.0
IXL 395	54.0	155.0	27.0	62.0	240.0	65.0

Breakout 4-F Model	Breakout main diameter		Finger Diameter		Full Length	Finger Length
	R (mm)	S (mm)	R (mm)	S (mm)	R (mm)	R (mm)
IXL 400	8.5	28.0	1.8	10.0	70.0	23.0
IXL 410	14.0	38.0	3.2	15.0	105.0	25.0
IXL 415	14.0	50.0	3.2	15.0	105.0	25.0
IXL 420	25.0	55.0	6.0	20.0	180.0	45.0
IXL 425	25.0	65.0	6.0	25.0	180.0	45.0
IXL 430	22.0	72.0	8.5	25.0	190.0	45.0
IXL 440	33.0	100.0	14.0	35.0	215.0	50.0
IXL 450	47.0	125.0	20.0	45.0	245.0	72.0

Breakout 5-F Model	Breakout main diameter		Finger Diameter		Full Length	Finger Length
	R (mm)	S (mm)	R (mm)	S (mm)	R (mm)	R (mm)
IXL 550	33.0	80.0	9.0	27.0	215.0	60.0
IXL 555	33.0	102.0	9.0	35.0	215.0	60.0

S: As supplied    R: Fully recovered

(Specifications and the product dimensions given in this brochure are subject to change without notice. Please refer to the latest version of the drawings and specification-sheets on the Ikebana web site, or contact our office in Thailand.)

