

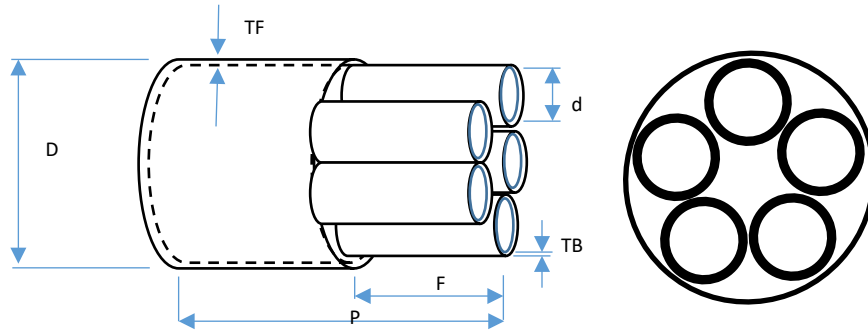
# Five Way LV Cable Breakout



## EB5

Heat Shrinkable 5-Way Cable Breakout provides an environmental seal to the crutch of 5 core plastic and paper insulated cables, rated up to 1.1kV. The Breakout is made from thermally stabilised, cross linked, polymeric material.

The Breakouts is internally coated with hot melt adhesive.



\*Drawing depicts typical dimensions

D,d – Internal Diameter without Adhesive Coating | E – As Supplied | S – After Free Recovery

PRODUCT DIMENSIONS – EB5 Series (all dimensions are in mm)										
CODE & SIZE	D		d		P		F		TB	TF
	E	S	E	S	E	S	E	S	S	S
	Min	Max	Min	Max	Min	Max	Min	Max	Nom.	Nom.
EB5-35-15	35	15	20	4	80	100	19	21	2.5	1.8
EB5-50-15	50	15	15	4	83	105	23	25	4.0	2.0
EB5-65-21	65	21	20	8	133	170	35	38	3.5	2.3
EB5-70-15	70	15	20	4	83	105	23	25	4.0	2.0

MATERIAL SPECIFICATIONS		
CHARACTERISTIC	VALUE	TEST METHOD
<b>Physical Properties</b>		
Water Absorption	0.2%	ASTM D – 570/ISO 62
Tensile Strength	≥21 MPa	EN 60684 – 2
Ultimate Elongation	400% (min)	ASTM D – 412 / ISO 37
Longitudinal Change	10% (max)	-
Longitudinal Shrinkage	≥ 3:1	-
Hardness	43 ± 3 Shore D	ASTM D – 2240 / ISO 868
Density	1.05 ± 0.2 g/cm <sup>3</sup>	ASTM D – 1505 / D=M/V
Bending at -30°C	No Cracks	EN 60684 – 2
<b>Thermal Ageing Tests (150°C for 168 hours)</b>		
Ultimate Elongation	300% (min)	ASTM D – 2 / EN 60684 – 2
Tensile Strength	≥18 MPa	ASTM D – 2 / EN 60684 – 2
<b>Electrical Properties</b>		
Dielectric Constant	5 (max)	ASTM D – 150 / IEC 250
Dielectric Strength	≥12kV/mm (min)	ASTM D – 149 / IEC 243
Volume Resistivity	1x10 <sup>13</sup> Ohm-cm (min)	ASTM D – 257 / IEC 93
<b>Chemical Properties</b>		
Fungus Resistance	Rate 1	ASTM D - 2671
Corrosion	None	ISO 846 Method A

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DATA SHEET

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