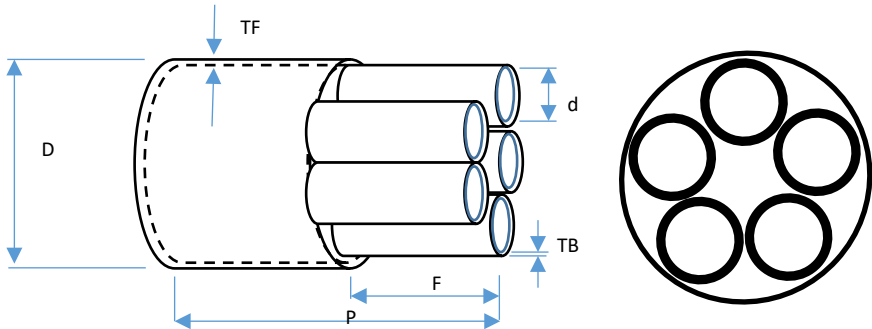


EB5

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.
EB5/035/15	35	15	20	4	80	90	20	21	2.5	1.8
EB5/070/15	70	15	20	4	83	100	24	30	2.0	2.0
EB5/102/35	102	33	35	9	180	210	40	64	4.1	3.2

MATERIAL SPECIFICATIONS		
CHARACTERISTIC	VALUE	TEST METHOD
Physical Properties		
Water Absorption	0.15%	IEC 62329-2 / ASTM D-570
Tensile Strength	≥21 MPa	IEC 62329-2 / ASTM D-412
Ultimate Elongation	400%	IEC 62329-2 / ASTM D-412
Longitudinal Change	10% (max)	-
Longitudinal Shrinkage	10% (max)	-
Hardness	45 ± 3 Shore D	ASTM D-2240 / ISO 868
Density	1.05 ± 0.2 g/cm³	IEC 62329-2 / ASTM D-1505
Bending at -30°C	No Cracks	IEC 62329-2
Thermal Ageing Tests (150°C for 168 hours)		
Ultimate Elongation	>300% (min)	IEC 62329-2 / ASTM D-412
Tensile Strength	≥18 MPa	IEC 62329-2 / ASTM D-412
Electrical Properties		
Dielectric Constant	>5 (max)	IEC 60250 / ASTM D-150
Dielectric Strength	≥12kV/mm	IEC 60243 / ASTM D-149
Volume Resistivity	≥1x10 ¹³ Ohm-cm	IEC 60093 / ASTM D-229
Chemical Properties		
Fungus Resistance	Rate 1	ASTM D - 2671
Corrosion	None	ISO 846 Method A

REPL reserve the right to update the information contained in this document at any time without notice. It is the users responsibility to ensure it is suitable for the intended application. Any implied warranty relating to fitness for a particular purpose are explicitly excluded unless agreed in writing by REPL.
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