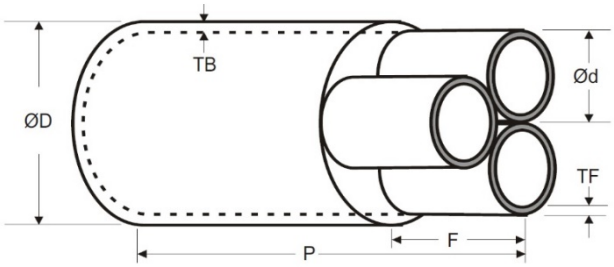
Three Way LV Cable Breakout

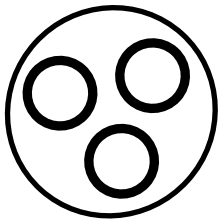
DATASHEET

EB3

Heat Shrinkable 3-way Cable Breakout provides an environmental seal to the crutch of 3 core plastic and paper insulated cables, rated up to 1.1kV. The Breakout is made from thermally stabilised, cross linked, polymeric material.

The Breakout are internally coated with hot melt adhesive.





**Drawing depicts typical dimensions*

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

PRODUCT DIMENSIONS – EB3 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					Nom.	Nom.
EB3-28-09	28	9	9	3	53	72	15	17	2.5	1.8
EB3-35-15	35	15	13	4	88	102	20	23	2.5	1.8
EB3-55-23	55	23	25	8	133	177	35	37	3.3	2.5
EB3-75-28	75	28	35	13	173	215	43	47	3.5	3.0
EB3-115-30	115	30	53	13	160	210	40	55	3.8	3.0
EB3-110-35	110	35	50	17	183	220	50	55	4.0	3.5
EB3-140-46	140	45	70	21	180	220	50	55	3.8	2.5
EB3-125-59	120	56	50	17	183	220	50	55	4.0	3.5
EB3-170-56	178	55	81	27	200	260	55	63	3.8	2.8

MATERIAL SPECIFICATIONS

CHARACTERISTIC	VALUE	TEST METHOD
Physical Properties		
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^3	ASTM D – 1505 / D=M/V
Bending at -30^{0}C	No Cracks	EN 60684 – 2
Thermal Ageing Tests (150^{0}C for 168 hours)		
Ultimate Elongation	300% (min)	ASTM D – 2 / EN 60684 – 2
Tensile Strength	≥18 MPa	ASTM D – 2 / EN 60684 – 2
Electrical Properties		
Dielectric Constant	5 (max)	ASTM D – 150 / IEC 250
Dielectric Strength	≥12kV/mm (min)	ASTM D – 149 /IEC 243
Volume Resistivity	1x10^{13} Ohm-cm (min)	ASTM D – 257 / IEC 93
Chemical Properties		
Fungus Resistance	Rate 1	ASTM D - 2671
Corrosion	None	ISO 846 Method A

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