

ADHESIVE LINED HIGH VOLTAGE CABLE BREAKOUTS

FLAME RETARDANT ADHESIVE LINED RoHS WEATHER PROOF

HCB-3 is a High voltage molded cable breakout made from irradiated cross-linked polyolefin. Cable break outs are used in the electric power industry to provide insulation and sealing over the crutch of multi-core cables.

HCB-3 cable breakouts are available in three core multi-cable applications. These boots

have excellent performance, are weather proof, flame retardant, UV resistant and anti-tracking.



HCB-3 APPLICATIONS

Environmental and Mechanical Protection for Electrical Applications

Outdoors Environments where UV Rays and Weather Conditions are Present

Seals to Most Types of Electrical Cables and Pipes

Safely used in protecting cable ends up to 36KV against Flashover or Surges

Switch Gear and Transformer Applications

HCB-3 SPECIFICATIONS

Temperature Rating: Full Recovery 130°C Continuous Operating -55°C to 100°C

Minimum Shrink Temperature: 110°C

Completely Shrunk at: 130°C

Voltage Rating up to 36KV

Standard Colors are Black & Orange

HCB-3 DIMENSIONS (millimeters)

Part No.	Break Out		Finger Diameter		Full Length	Finger Length
	Main Diameter		as Supplied		±10%	±10%
	Expanded	Recovered	Expanded	Recovered		
	mm	mm	mm	mm	mm	mm
HCB-2-60	60	24	14	3	90	20
HCB-2-80	80	36	24	7	120	34
HCB-3-110	110	46	11	4	110	25
HCB-3-125	125	55	20	8	175	50
HCB-3-140	140	68	36	16	190	55

Physical Properties

Property	Test Method	Standard
Operating Temperature	IEC 216	-55°C to 100°C
Tensile Strength	ASTM-D-2671	≥ 8 MPa
Tensile Strength after Thermal Aging	ASTM-D-2671 (120°C / 168 hrs.)	≥ 7 MPa
Elongation at Break	ASTM-D-2671	≥ 300%
Elongation at Break after Thermal Aging	ASTM-D-2671 (120°C 168hrs)	≥ 200%
Water Absorption	ISO 62	≤ 1%
Volume Resistance	IEC 93	≥10 ¹³ Ω .cm
Dielectric Strength	IEC 243	≥15kv/mm
Resistance to Tracking	ASTM D-2303	Non Tracking

Ordering Information

Colors: Black

Standard Packaging: 25 Pcs Per Bag

Part No. Example: HCB-3-60-3 = Orange 60mm Cable Break Out

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