

LSCB

Cable breakouts boots - 6 cores

TECHNICAL DATA SHEET

Revision Number & Data Sheet Number
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Manufactured from cross-linked polyethylen / polyolefin.

Provide sealing protection and strain relief over multi-core cable crutch, including a 6 - core breakout
Coated with adhesive on the body and the fingers to form a watertight seal.

Breakouts create a sealant coating at the fingers and the body inner walls give a reliable moisture seal on a high variety of substrate materials used on cables.

Meeting with varieties of configuration requirements. Shrink temperature: start at 90°C, and fully recovered at 130°C.

Industry



Industry



Marine



Wind power



Commercial



Aerospace



Construction



Railway



Military



Electrical
installations



Petrochemical



Telecom

STANDARD TUBE COLOR



MATERIAL

Extruded, cross linked
polyethylen / polyolefin.

SHRINK RATIO

See Table 1

OPERATING TEMPERATURE

-55°C up to +125°C

COMPLIANCES

Reach. RoHS

HALOGEN FREE

Yes.

ENVIRONMENT

Non-corrosive, non toxic, lead-free. Filler contains aluminium

FIRE PROPAGATION

Flame-retardant break-outs are available upon request.

STORAGE

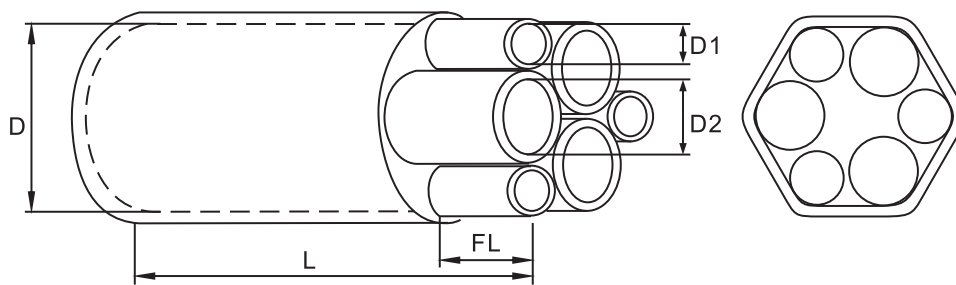
Cool and dry in original packaging. Recommended temperature at +10°C to +25°C and 45-55% relative humidity. Use within 2 years from date of manufacture.

APPLICATIONS

Breakouts provide mechanical strain relief and environmental sealing for power cables where the cable jacket is cut back and conductors broken out. Typical industries shown to the left.

Selection table 1.

Cores	Product Number	ID as supplied					ID after recovery		
		Body Diameter (D) Min	Finger diameter		Full length (L) (±5)	Finger length (FL) (±5)	Body Diameter (D)	Finger diameter	
			Big finger (D2)	Small finger (D1)				Big finger (D2)	Big finger (D1)
6	LSCB6-86/40 (1#)	≥ 86	≥ 32	≥ 20	≥ 220	≥ 220	≥ 55	≥ 20	≥ 20
	LSCB6-133/53 (2#)	≥ 133	20	20	≥ 133	≥ 133	133	20	20



Remark

- 1.* means 3-core semi-conductive breakouts are available upon custom request
2. Δ means 3-core or 4-core oil resistant breakouts are available upon custom request
3. the breakout coated with hotmelt adhesive comes into two forms: flat adhesive and spiral adhesive, which can meet different customer needs.

General Tests for Breakout Boots

PHYSICAL

PROPERTIES	TEST METHOD	VALUES -INSULATED- OIL RESISTANT-SEMI-CONDUCTIVE
Tensile strength	ASTM D 638	≥ 12 Mpa
Elongation at break	ASTM D 638	≥ 300%
Tensile strength after ageing (120°C, 168 hours)	ASTM D 638	≥ 10 Mpa
Elongation at break after ageing (120°C, 168 hours)	ASTM D 638	≥ 230%
Water absorption	IEC 60093	≤ 0,5%
Hardness (Shore A)	ISO 868	≥ 80

ELECTRICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Dielectric strength	IEC 60243	15 kV/mm ²
Volume resistivity	IEC 600243	≥ 1 x 10 ¹³ Ω • cm

CHEMICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Chemical resistance	TBA	TBA
Copper corrosion	TBA	TBA
Copper stability	TBA	TBA

THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Heat shock 4 hours at 160°C	Oven	No cracking
Heat aging 168 hours at 158°C	N_A	N_A
Flammability	N-A	Pass » flame retardant
Low temperature flexibility	ISO 868	No cracking