LSCB
Cable breakouts boots

TECHNICAL DATA SHEET

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

Provide sealing protection and strain relief over multi-core cable crutch, including 2-, 3-, 4-, and 5-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 polyolefin.

SHRINK RATIO
See Table 1

OPERATING TEMPERATURE
-55°C up to +125°C

COMPLIANCES

Resistance to solvents:
Please contact us

Diesel Resistance :
Please contact us

FIRE PROPAGATION
Flame-retardant break-outs are available upon request.

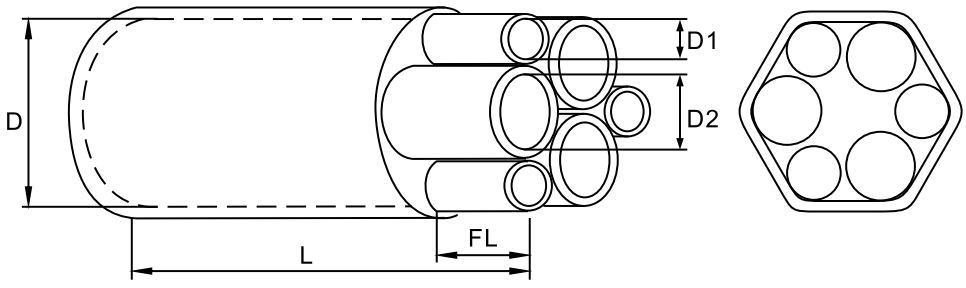
STORAGE
Cool and dry in original packaging. Recommended temperature at +10°C to +25°C and 45-55% relative humidity. Use within 2 years from date of manufacture.

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.

LinkSolutions

Selection table 1.

Cores	Product Number	As supplied			After recovery	
		Body Diameter (D) Min	Finger Diameter (d1) Min	Full Length (L) ±5 mm	Body Diameter (D) Max	Finger Diameter (d)2 Max
2	LSCB2-24/14 (0#)	24	12	140	14	5
	LSCB2-38/18 (1#)	38	20	145	18	7
	LSCB2-45/22 (2#)	45	25	145	22	10
	LSCB2-60/25 (3#)	60	35	140	25	11
	LSCB2-70/25 (4#)	70	40	140	25	11
3	LSCB3-24/17 (-2#)	24	11	140	17	5
	LSCB2-48/2 (-1#)	48	18	165	22	7
	LSCB2-58/28 (0#)	58	25	180	28	8
	LSCB2-68/37 (1#)*Δ	68	30	210	37	13
	LSCB2-87/43 (2#)* Δ	87	39	220	43	16
	LSCB2-106/53 (3#)* Δ	106	42	235	53	19
	LSCB2-125/65 (4#)* Δ	125	58	245	65	25
	LSCB2-140/65 (5#)* Δ	140	65	245	65	25
4	LSCB4-38/19 (0#)	38	10	125	19	5
	LSCB4-50/25 (1#) Δ	50	16	135	25	7
	LSCB2-70/32 (2#) Δ	70	23	185	32	8
	LSCB2-82/46 (3#) Δ	82	30	210	46	13
	LSCB2-90/46 (4#)	90	35	210	46	13
	LSCB2-109/54 (#)	109	42	240	54	18
5	LSCB4-42/21 (0#)	42	11	130	21	5
	LSCB4-57/30 (1#)	57	15	170	30	7
	LSCB2-70/38 (2#)	70	23	170	38	9
	LSCB2-90/53 (3#)	90	30	180	53	13
	LSCB2-120/48 (4#)	120	39	205	48	14



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/mm²
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