

Conductive Breakouts



Electrically semi-conductive, UV resistant & weather proof breakouts, with an internal mastic coating & release paper.

The finger configuration is designed specifically to provide insulation & sealing over the cable 'crutch', as an integral part of 3 core cable terminations & cable joints up to 36kV.

Moulded from a thermally stabilised cross linked blend of polyolefins & a compatible grade of synthetic rubber. The basic resin is mixed with chemical additives offering resistance to UV radiation, oxidation, ozone & other environmental effects. The Primary additive of Carbon Black adds the required conductivity to the material.

Cable sealing is accomplished by an internal waterproof & electrically insulating butyl rubber based mastic.

Model	Body Diameter		Finger Diameter		Total Length	Finger Length
	E	S	E	S	S	S
IXL 310 CON	60	22	24	8	185	45
IXL 320 CON	80	33	36	16	210	50
IXL 325 CON	95	33	36	16	210	50
IXL 330 CON	110	47	48	20	225	75
IXL 335 CON	125	47	55	20	250	75
IXL 340 CON	140	54	62	27	240	65

E- DIMENSION WHEN EXPANDED

S- DIMENSION WHEN FULLY RECOVERED

Product control	Frequency	Requirement	Control Method
Visual	100% daily	Good & free from defects	internal
Dimensions	5 samples daily	As per Eng. drawing	internal
Tensile strength	5 samples daily	min 12 Mpa(N/mm ²)	ASTM D-638
Ultimate elongation	5 samples daily	min 300%	ASTM D-638
Hardness	Daily	min 38 Shore D	internal
Tensile strength after Thermal Ageing (168hrs @ 120°C)	Qualification	min 10Mpa (N/mm ²)	ISO-188
Ultimate Elongation after Thermal Ageing (168hrs @ 120°C)	Qualification	min 250%	ISO-188
Water Absorption	Qualification	max 1%	ISO-62
Volume resistivity	Qualification	min 2 x 10 ⁴ Ohm.cm	IEC-93
Raw Material			
Carbon Black content	compounding	Min 2%	BS 2 782
Tensile strength	compounding	min 12Mpa (N/mm ²)	ASTM D-638
Ultimate elongation	compounding	min 300%	ASTM D-638
Hardness	compounding	min 38 Shore D	ASTM D-2240

NOTES:

- All dimensions are in mm
- Tolerances:

THICKNESS	+/-10%
LENGTHS	+/-10%
DIAMETERS	+/-5%
ANGLES	+/-5%

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