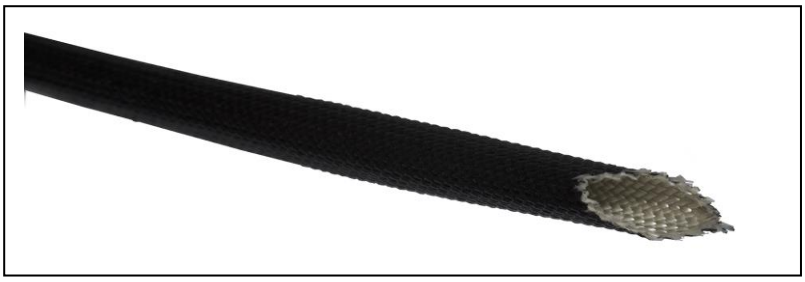
Acrylic Glass Sleeving 8KV



ABOUT THIS PRODUCT

This is a fibre glass braid saturated in acrylic varnish making it a tough and flexible insulation material. It possesses good electrical and mechanical strength and has excellent compatibility with Class F impregnating resins and varnishes, making it ideal for protecting electrical conductors and terminals.

***Please note**: Care should be taken to minimise dust formation during handling and cutting this glass based material as dust or broken particles may cause skin irritation.*

Note: Other diameters supplied upon request.

FEATURES AND BENEFITS

- Good flexibility – electrical properties maintained after flexing
- Good temperature resistance
- Excellent chemical resistance (oils, fluids, aggressive chemical agents)
- Good mechanical resistance
- Halogen free
- Non fraying
- Good abrasion resistance
- Compatible with most insulating varnishes

APPLICATIONS

- Harnessing
- Mechanical protection
- Electrical insulation
- Motor and transformer insulation

MATERIAL DATA

Product Code	**212**
Material	**Acrylic**
Standard Colour	**Natural, Black, Red, Yellow**
Operating Temperature – ˚C	**-25 – +155**
Dielectric Strength – kV	**8**
Relevant Specifications	**UL 1441, IEC 60684 Part 3**
	UL Recognized File no: E121222

DIELECTRIC STRENGTH

Test	Method	VAC80 UL GRADE
IEC 60684	250 mm.Inst. B/D Central Value (kV)	7.0
IEC 60684	250 mm.Inst. B/D Lowest Value (kV)	6.0
DIN 40620	200 mm. 60 sec. Proof. (kV)	5.0
UL 1441	25 mm.Inst B/D (kV)	8.0

Handling

Care should be taken to minimize dust formation during handling and cutting this glass based material as dust or broken particles may cause skin irritation. The use

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TECHNICAL TABLE

Property	Test	Result
Heat Resistance	Bending after heating IEC 60684 Part 2 Clause 13 48 hours at 180˚C UL 1441-60 days at 190°C	No cracking or detachment of coating shallbe visible and the original colours shall be clearly recognisable Dielectric strength after ageing: average breakdown 5000V.
Flammability	Flame propagation IEC 60684 Part 2 Clause 26 Method A Vertical with mandrel UL 1441 Horizontal Flame test	Extinguishes within 60 seconds Passes.
Cold Resistance	Bending at low temperature: IEC 60684 Part 2 Clause 14 At -70˚C UL 1441-1h.at -10°C	No cracking or detachment of coating shall be visible No cracking.
Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes

DIMENSIONS

Reference	Nominal bore (mm)	Bore tolerance (mm)	Minimum Wall thickness (mm)	Standard Packaging (m)
VAC80_ _005	0.5	+ 0.20	0.28	400
VAC80_ _008	0.8	+ 0.20	0.35	400
VAC80_ _010	1.0	+ 0.20	0.38	400
VAC80_ _015	1.5	+ 0.20	0.38	300
VAC80_ _020	2.0	+ 0.20	0.38	200
VAC80_ _025	2.5	+ 0.20	0.46	200
VAC80_ _030	3.0	+ 0.20	0.46	200
VAC80_ _035	3.5	+ 0.20	0.46	200
VAC80_ _040	4.0	+ 0.40	0.51	200
VAC80_ _050	5.0	+ 0.50	0.51	100
VAC80_ _060	6.0	+ 0.50	0.51	100
VAC80_ _070	7.0	+ 0.50	0.51	100
VAC80_ _080	8.0	+ 0.50	0.64	100
VAC80_ _090	9.0	+ 0.60	0.64	100
VAC80_ _100	10.0	+ 0.60	0.64	100
VAC80_ _120	12.0	+ 0.60	0.64	50
VAC80_ _140	14.0	+ 0.70	0.64	50
VAC80_ _160	16.0	+ 0.70	0.64	50
VAC80_ _180	18.0	+ 0.90	0.64	25
VAC80_ _200	20.0	+ 0.90	0.64	25