

# Acrylic Glass Sleeving 3KV

## ABOUT THIS PRODUCT

Braided fibreglass sleeving coated with acrylic resin.

This is a Class F electrical insulating sleeving.

Additionally, a UL approved grade is manufactured

**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: Standard colour:

Yellow and Black

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	210
Material	Acrylic
Standard Colour	Natural, Black, Red, Yellow
Operating Temperature – °C	-25 – +155
Relevant Specifications	UL 1441, IEC 60684 Part 2

## DIELECTRIC STRENGTH

TEST	METHOD	VAC30 MINIMUM	VAC30 AVE
IEC 60684	250 mm.Inst. B / D Central Value ( kV)	3.0	4.0
IEC 60684	250 mm.Inst. B / D Central Value ( kV)	2.5	3.5
UL 1441	25 mm.Inst. B / D ( kV)	4.0	4.5

## 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 of barrier creams on exposed areas will minimize the risk of skin irritation. For product safety data and product disposal advice, see separate Safety Data Sheet. <Ref No v1>

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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	No cracking or detachment of coating shall be visible and the original colours shall be clearly recognisable
Flammability	Flame propagation IEC 60684 Part 2 Clause 26 Method A Vertical with mandrel	Extinguishes within 60 seconds
Cold Resistance	Bending at low temperature: IEC 60684 Part 2 Clause 14 At -70°C	No cracking or detachment of coating shall be visible
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)
VAC30_005	0.5	+ 0.20	0.20	400
VAC30_010	1.0	+ 0.20	0.30	300
VAC30_015	1.5	+ 0.20	0.30	300
VAC30_020	2.0	+ 0.20	0.30	200
VAC30_025	2.5	+ 0.20	0.30	200
VAC30_030	3.0	+ 0.30	0.30	200
VAC30_040	4.0	+ 0.30	0.30	200
VAC30_050	5.0	+ 0.30	0.40	100
VAC30_060	6.0	+ 0.30	0.40	100
VAC30_070	7.0	+ 0.30	0.40	100
VAC30_080	8.0	+ 0.50	0.45	100
VAC30_100	10.0	+ 0.50	0.45	100
VAC30_120	12.0	+ 0.50	0.45	50
VAC30_140	14.0	+ 0.50	0.60	50
VAC30_160	16.0	+ 0.50	0.60	50
VAC30_180	18.0	+ 0.50	0.60	50
VAC30_200	20.0	+ 0.50	0.60	25
VAC30_220	22.0	+ 0.50	0.60	25
VAC30_250	25.0	+ 0.50	0.60	25