

## FEATURES

- High abrasion and mechanical resistance
- Excellent resistance to chemicals including oils, fluids and aggressive chemical agents
- Halogen free
- 1kV dielectric strength
- Good temperature resistance
- Maintains electrical properties after flexing
- Good resistance to fraying when cut
- Compatible with most insulating varnishes

## RS PRO Braided Acrylic Fibreglass Black Cable Sleeve, 2mm Diameter, 5m Length

RS Stock No.: 398-751



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

From RS PRO a high-quality Class F braided fibreglass cable sleeving or cable tubing impregnated with an acrylic resin to create a tough but flexible insulation material that offers highly effective cable protection. This cable sleeving has excellent chemical resistance along with a good temperature resistance and high electrical and mechanical strength. The sleeve is made from halogen-free materials so it won't release toxic gases into the atmosphere when burnt and has excellent compatibility with Class F impregnating resins. This cable sleeve is easy to apply by simply routing your cables and wires through the inside. The flexibility qualities of this sleeving mean it is still able to maintain its electrical properties even after flexing.

### General Specifications

<b>Material</b>	Acrylic Fibreglass
<b>Colour</b>	Black
<b>Braided</b>	Yes
<b>Expandable</b>	No
<b>Fire Behaviour</b>	Halogen Free
<b>Applications</b>	Laboratories, Chemical processing, Appliance manufacturing, Medical and pharmaceutical, Automotive and marine applications, Building and construction industry, Food and beverage industries

### Mechanical Specifications

<b>Sleeve Diameter</b>	2mm
<b>Sleeve Length</b>	5m
<b>Wall Thickness</b>	0.25mm
<b>Minimum Cable Diameter</b>	2mm

**Operation Environment Specifications**

<b>Operating Temperature Range</b>	-25°C to 155°C
<b>Minimum Operating Temperature</b>	-25°C
<b>Maximum Operating Temperature</b>	155°C

**Approvals**

<b>Compliance/Certifications</b>	UL ,RoHS
<b>Standards Met</b>	IEC 60684-3, RoHS Compliant, UL 1441



DIELECTRIC STRENGTH		
Test	Method	VAC10
IEC 60684	250 mm.Inst. B/D Central Value (kV)	0.8
IEC 60684	250 mm.Inst. B/D Central Value (kV)	0.7
UL 1441	25 mm.Inst. B/D (kV)	1.0

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 6, 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

DIMENSIONS		
Nominal Bore (mm)	Bore Tolerance (mm)	Minimum Wall Thickness (mm)
0.5	+0.20	0.20
1.0	+0.20	0.25
1.5	+0.20	0.25
2.0	+0.20	0.25
2.5	+0.20	0.25
3.0	+0.30	0.25
4.0	+0.30	0.35
5.0	+0.30	0.35
6.0	+0.30	0.35
7.0	+0.30	0.35
8.0	+0.50	0.35
9.0	+0.50	0.35
10.0	+0.50	0.35
12.0	+0.50	0.45
14.0	+0.50	0.45
16.0	+0.50	0.45
18.0	+0.50	0.55
20.0	+0.50	0.55
22.0	+0.50	0.60
25.0	+0.50	0.60