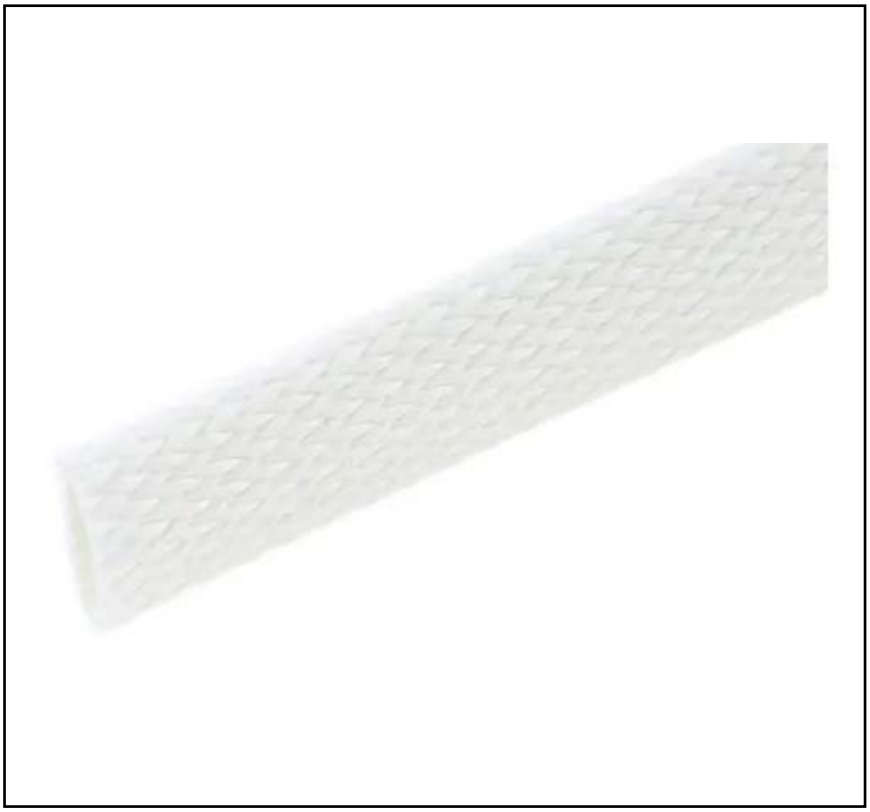
FEATURES

- Excellent high temperature resistance
- Expandable and versatile, ideal for wire harness assemblies
- LSZH (Low Smoke Zero Halogen)
- Self-Extinguishing
- Highly flexible
- Excellent resistance to solvents
- Good fray resistance when it is cut
- High oxygen index of 64.5%
- Compatible with most impregnating varnish systems

RS PRO Expandable Braided Fibreglass Natural Cable Sleeve, 10mm Diameter, 5m Length

RS Stock No.: 668-1295



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 highly flexible expandable braided glass cable sleeving impregnated with a silicone varnish. This highly resilient cable sleeving has high-temperature capabilities and is self-extinguishing and LSZH (Low Smoke Zero Halogen) which means it does not release dangerous gasses when it burns. These unique qualities make this braided cable sleeve ideal for use in electrical insulation applications where there are high operating temperatures. Electrical wires and cables are simply routed through the sleeve and the flexible construction of the sleeve expands to accommodate a wide range of cable diameters

General Specifications

Material	Fibreglass
Colour	Natural
Braided	Yes
Expandable	Yes
Fire Behaviour	Halogen Free; Self-extinguishing
Applications	Mass transit cable protection, Rail Harnessing - EN45545 Approved, Rail Tunnel applications, Exhaust assemblies and system components, Automobile wire harnessing, Heating appliances and central heating boilers

Mechanical Specifications

Sleeve Diameter	10mm
Sleeve Length	5m
Wall Thickness	0.85mm
Cable Diameter Range	10mm to 22mm
Minimum Cable Diameter	10mm
Maximum Cable Diameter	22mm

Property	Test Method	Typical Value
Dielectric Strength	-	1kV/mm

Operation Environment Specifications

Operating Temperature Range	-40°C to 300°C
Minimum Operating Temperature	-40°C
Maximum Operating Temperature	300°C

Approvals

Compliance/Certifications	UL ,RoHS
Standards Met	IEC 60684, RoHS Compliant, UL 1441, UL E151092

DIMENSIONS		
Minimum Diameter (mm)	Maximum Diameter (mm)*	Minimum Wall Thickness (mm)
4	9	0.60
6	16	0.60
8	20	0.60
10	22	0.60
12	28	0.60
14	35	0.60
16	40	0.60
20	55	0.60
25	65	0.60
30	75	0.60
40	90	0.60
50	120	0.60

TECHNICAL TABLE

PRODUCT	TEST	RESULT
THERMAL OVERCHARGE AND AGEING RESISTANCE	Simulation of real operating conditions	10 days at 350°C
HEAT RESISTANCE	Bending after heating IEC 60684 Part 2 Clause 13, 48 hours at 400°C	No cracking. Silicone varnish will burn off
CHAMICAL RESISTANCE	Simulation of real operating conditions	Excellent resistance to solvents. Compatible with most insulating varnishes
FLAMMABILITIY	Flame propagation: IEC 60684 Part 2 Clause 26 Method B vertical with wire. Flame test: UL 1441 VW-1 vertical with wire	Will not ignite Will not ignite
ABRASION RESISTANCE	13mm ground drill rod abrader, 1kg weight, 20mm amplitude, 150 cycles/min.	Minimum 25,000 cycles
COLD RESISTANCE	Bending at low temperature IEC 60684 – Part 2 Clause 14	No cracking after bending at -40°C
OXYGEN INDEX (I.O.)	UNE EN ISO 4589	I.O. = 64.5%
TOXICITY	NF X 70-100	ITC = 4.08
SMOKE DENSITY	NF X 10-702 (Test conducted in flame mode)	V0F4 = 3.2 Dmax = 3
SMOKE INDEX (IF)	NF F 16-101	IF = 2.2