

Datasheet

RS PRO Silicone Impregnated Expandable Fibreglass Cable Sleeve

RS Stock numbers [668-1295](#) and [668-1298](#)



MATERIAL DATA	
Material	Silicone impregnated fibreglass
Standard Colour	Natural
Operating Temperature	-40 to +300°C (Peaks at +450°C)
Relevant Specifications	IEC 60684, UL No. E151092, UL 1441, LUL Approved

HANDLING

Care should be taken to minimize dust formation during handling and cutting of 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

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
FLAMMABILITY	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

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

As the diameter is coming closer to the maximum expansion, the sleeving shrinks in length

*** Maximum expansion can be greater than the value stated. This is the minimum guaranteed expansion.**