

Datasheet

RS PRO High Temperature Glass Fibre Cable Sleeve

RS Stock numbers [668-1242](#), [668-1245](#), [668-1248](#), [668-1251](#), [668-1254](#), [668-1267](#), [668-1258](#)



MATERIAL DATA	
Material	Silicone Impregnated Fibreglass
Standard Colour	Natural
Operating Temperature	-40 to +300°C (Peaks at 450°C)
Dielectric Strength	1 kV
Relevant Specifications	IEC 60684, UL 1441, LUL Approved, EN 45545-2-12013; R22&R23: Hazard level HL1, HL2, HL3

Note: Colour tone may vary. This does not affect technical properties of sleeve.

TECHNICAL TABLE

PROPERTY	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.
CHEMICAL 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 wire.	Will not ignite
	Flame test: UL 1441 VW-1 vertical with wire	Will not ignite
ABRASION RESISTANCE	SEA ARP 1536	Minimum 4.000 cycles (Ø=20mm)
COLD RESISTANCE	Bending at low temperature IEC 60684-Part 2 Clause 14	No cracking after bending at -70°C
OXYGEN INDEX (I.O.)	UNE EN ISO 4589	10 = 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	NF F 16-101	IF = 2,2
FIRE BEHAVIOUR	EN 45545 – 2 - 2013	R22&R23: Hazard level HL1, HL2, HL3

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	+0.20	0.25
3.5	+0.30	0.25
4.0	+0.30	0.30
4.5	+0.30	0.30
5.0	+0.30	0.30
6.0	+0.30	0.30
7.0	+0.30	0.30
8.0	+0.0	0.30
9.0	+0.50	0.30
10.0	+0.50	0.30
12.0	+0.50	0.45
14.0	+0.50	0.45
16.0	+1.0	0.45
18.0	+1.0	0.55
20.0	+1.0	0.55
22.0	+1.0	0.60
25.0	+1.0	0.60