

High Temperature

Silicone Rubber Cables 150°C - 200°C



Application:

Industrial heating and cooling, areas where extreme high and low temperatures are apparent

Benefits		
Wide Temperature Range	Silicone rubber insulation is suitable in extreme high and low temperatures	
Flexible Stranding	Class 5 flexible conductor stranding	
Acid and Oil Resistance	Good resistance to oils, gasoline and some acids	
Marine Applications	Tinned copper conductor minimises corrosion in marine environments	
Halogen Free	Silicone rubber insulation does not release corrosive gases when ignited	
Features		
✓	R-S-200 insulation has a very wide operating range between -50°C and + 200°C	
✓	Tinned copper conductors provide excellent corrosion resistance at elevated temperatures	
✓	Silicone rubber exhibits excellent electrical resistance	
✓	Good flame retardance with zero halogens	
Construction		
Conductor	Tinned annealed copper wire, class 5	
Insulation	R-S-200 (0.5mm ² - 6mm ² single core, R-S-150 other sizes)	
Colours	Blue, black, brown, green, grey, orange, purple, pink, red, white, yellow, 3 Core – Blue, brown and green, black outer sheath	
Ratings		
Temperature	R-S-200 -50°C to + 200°C	R-S-150 -10°C to +150°C
Voltage	0.6/1kV	
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS3191	



Flexible Conductor:
Class 5



Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
-50°C



Maximum Service
Temperature:
200°C Single Core up to
6mm² other sizes 150°C



Maximum Short Circuit
Temperature:
350°C (Max 5s)



Grease & Minerals Oils
Resistant



Chemical & Oil Resistant



UV Resistant



Low Temperature Resistant



Halogen Free



Minimum Recommended
Bend Radius Fixed 6 x OD

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Tullamarine VIC 3043
Phone: 03 9335 2600
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NEWCASTLE
64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
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WESTERN AUSTRALIA
1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



Silicone Rubber Single Core - 200°C

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
10685A	0.5	16/0.20	2.7	19	12
13005	0.75	24/0.20	2.9	24	15
15105	1	32/0.20	3.3	28	19
17025	1.5	30/0.25	3.6	37	24
18765	2.5	50/0.25	4.0	50	35
20285	4	56/0.30	4.7	67	51
21640	6	84/0.30	6.1	87	72

Silicone Rubber Single Core - 150°C

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
22880A	10	140/0.30	8.2	120	115
23960A	16	224/0.30	9.4	165	176
24980A	25	350/0.30	11.0	215	264

Silicone Rubber Multi Core - 150°C

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating† Amps	Weight kg/km
25720	2 x 0.75	24/0.20	7.0	24	70
25760	3 x 0.75	24/0.20	8.0	20	80
25980	3 x 1	32/0.20	9.0	24	110
26980	3 x 1.5	30/0.25	10.0	31	140
27015	3 x 2.5	50/0.25	12.0	43	180

*Current ratings based on AS/NZS3008.1.1:2009 table 17 column 2

†Current ratings based on AS/NZS3008.1.1:2009 table 17 column 4