

## 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	
✓ Oxygen free tinned copper for high conductivity soldered connections and corrosion protection	
✓ Silicone rubber exhibits excellent electrical resistance	
✓ Good flame retardance with zero halogens	
Construction	
Conductor	Oxygen free tinned annealed copper wire, class 5
Insulation	R-S-200 (0.5mm <sup>2</sup> - 6mm <sup>2</sup> 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, AS/NZS5000.1, IEC 60228



Flexible Conductor:  
Class 5



Oxygen Free, Tinned Copper  
for Corrosion Resistance



Minimum Service  
Temperature:  
-50°C



Maximum Service  
Temperature:  
200°C Single Core up to  
6mm<sup>2</sup> 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

### Silicone Rubber Single Core - 200°C

Bambach Item Code	Conductor CSA mm <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating <sup>†</sup> 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