

## PVC Flexible

### Tinned Copper Flexible Single Core Cables



#### Application:

Wiring of switchboards, control, instrumentation and communication systems, general wiring

Benefits	
Extreme Flexibility	Class 5 flexible conductor stranding
Easy to Solder	Tinned copper conductors for easy adhesion
High Temperature Rating	Allows for operation in high temperature applications*
Easy Identification	Hash marking and line striping available in a variety of colours
Wide Choice	12 colours available, many stocked for your convenience
Features	
✓ Tinned copper strands for corrosion protection	
✓ Tinned copper for high conductivity soldered connection	
✓ Class 5 conductors for extreme flexibility for those awkward to get to connections	
✓ RoHS compliant PVC to European environmental requirements	
✓ V90-HT insulation for high ambient temperature applications	
✓ V90-HT insulation for long term durability and flexibility	
✓ Distinctive hash marking for complex jobs with many colour combination needs	
Construction	
Conductor	Tinned annealed copper wire, class 5 or 6
Insulation	V90-HT PVC
Colours	Red, black, blue, white, brown, grey, orange, purple, pink, yellow, green and green/yellow. Others available upon request
Ratings	
Temperature	0°C to + 90°C (Continuous)      0°C to + 105°C (Limited duration)
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS3191, AS/NZS5000.1



Flexible Conductor:  
Class 5/6



Tinned Copper  
for Corrosion Resistance



Minimum Service  
Temperature:  
0°C



Maximum Service  
Temperature:  
90°C



Maximum Short Circuit  
Temperature:  
160°C (Max 5s)



Impact Resistant



Abrasion Resistant



Chemical And Oil Resistant



Flame  
Non-Propagation



Minimum Recommended  
Bend Radius Fixed 4 x OD

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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
21620	0.5	16/0.20	2.5	3	11
24600	0.75	24/0.20	2.8	7.5	14
25620	1	32/0.20	2.9	10	17
26620	1.5	30/0.25	3.2	16	22
27520	2.5	50/0.25	3.9	20	35
28320	4	56/0.30	4.7	25	54
28970	6	84/0.30	5.4	49	76
29810	10	140/0.30	6.3	69	121
29823	16	224/0.30	7.7	91	199
12024	25	350/0.30	9.8	121	277
12036	35	1121/0.20	10.8	150	384
29828	50	1568/0.20	13.6	189	534
20118	70	2226/0.20	16.3	238	738
20119	95	3021/0.20	18.0	287	999
20120	120	3800/0.20	19.3	341	1240

\*See Australian Standards AS/NZS3000/3808 for details

Cables insulated with V90-HT PVC insulation are allowed to operate for limited periods in applications where the temperature in the cable may rise to 105°C

†Current ratings based on AS/NZS3008.1.1:2009 table 4 column 3 and table 16

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