

PVC Flexible

Single Core Flexible Tinned Copper 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
✓	Oxygen free tinned copper for high conductivity soldered connections
✓	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, long term durability and flexibility
✓	Distinct hash marking for complex jobs with many colour combinations available
Construction	
Conductor	Oxygen free 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	-10°C to + 90°C (Continuous) -10°C to + 105°C (Limited duration)
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS3191, AS/NZS5000.1, AS/NZS1660.5.6, IEC 60228, IEC 60332-1



Flexible Conductor:
Class 5/6



Oxygen Free, Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
-10°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



Metre Marking $\geq 25\text{mm}^2$



Minimum Recommended
Bend Radius Fixed 4 x OD

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Single Core Flexible Tinned Copper Cables

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No of Strands/mm	Nom Ø mm	Current Rating [†] 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	494/0.30	10.8	150	384
29828	50	684/0.30	13.6	189	534
20118	70	969/0.30	16.3	238	738
20119	95	1292/0.30	18.0	287	999
20120	120	1653/0.30	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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PVC Flexible Cords

Light Duty Multi-Core Flexible Tinned Copper Cable



Application:

For use in lighting, appliance leads, plug leads and control wiring

Benefits	
Prescribed Items	Selected 2 and 3 core cables on prescribed items list
Extreme Flexibility	Class 5 flexible conductor stranding
Easy to Solder	Tinned copper conductors for easy adhesion
Longer life	V90-HT/5V90 insulation and sheath for double the expected lifespan of V75/4V75
Custom Marking	Customers own printing available upon request
Wide choice	Different sheath colours available upon request
Features	
✓	Tinned copper strands for corrosion protection
✓	Oxygen free 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, long term durability and flexibility
Construction	
Conductor	Tinned annealed copper wire, class 5
Insulation	V90-HT PVC
Sheath	5V90 PVC
Core Colours	2 Core - Brown, light blue
	3 Core - Brown, light blue, green/yellow
Sheath Colours	White, black, grey – Others available upon request
Ratings	
Temperature	-10°C to + 90°C
Voltage	250/250V
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS3191, AS/NZS1660.5.6, IEC 60228, IEC 60332-1



Flexible Conductor:
Class 5



Oxygen Free, Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
-10°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



Metre Marking



Minimum Recommended
Bend Radius Fixed 4 x OD

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Light Duty Multi-Core Flexible Tinned Copper Cable

Bambach Item Code	No. of Cores x Conductor CSA mm ²	Nom. Conductor Stranding No. of Strands / mm	Nom Ø	Current Rating† Amps	Weight kg/km
35200	2 x 0.75	24/0.20	5.4	7.5	43
35201	3 x 0.75	24/0.20	5.8	7.5	53

*Current ratings based on AS/NZS3008.1.1:2009 table 16



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PVC Flexible Cords

Ordinary Duty Multi-Core Flexible Tinned Copper Cable



Application:

For use in lighting, appliance leads, plug leads and control wiring

Benefits	
Prescribed Items	Selected 2 and 3 core cables on prescribed items list
Extreme Flexibility	Class 5 flexible conductor stranding
Easy to Solder	Tinned copper conductors for easy adhesion
Longer life	V90-HT/5V90 insulation and sheath for double the expected lifespan of V75/4V75
Custom Marking	Customers own printing available upon request
Wide choice	Different sheath colours available upon request

Features	
✓	Tinned copper strands for corrosion protection
✓	Oxygen free 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, long term durability and flexibility

Construction	
Conductor	Tinned annealed copper wire, class 5
Insulation	V90-HT PVC
Sheath	5V90 PVC
Core Colours	2 Core - Brown, light blue
	3 Core – Brown, light blue, green/yellow
	4 Core – Brown, black, light blue, green/yellow
	5 Core – Brown, black, grey, light blue, green/yellow
Sheath Colours	White, black, grey, orange– Others available upon request

Ratings	
Temperature	-10°C to + 90°C
Voltage	250/440V
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS3191, AS/NZS1660.5.6, IEC 60228, IEC 60332-1



Flexible Conductor:
Class 5



Oxygen Free, Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
-10°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



Metre Marking



Minimum Recommended
Bend Radius Fixed 4 x OD

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Heavy Duty Multi-Core Flexible Tinned Copper Cable

Bambach Item Code	No. of Cores x Conductor CSA mm ²	Nom. Conductor Stranding No. of Strands / mm	Nom Ø	Current Rating† Amps	Weight kg/km
35300	2 x 0.75	24/0.20	6.2	7.5	54
35301	2 x 1	32/0.20	6.6	10	63
35302	2 x 1.5	30/0.25	7.5	15	84
35303	3 x 0.75	24/0.20	6.6	7.5	64
35304	3 x 1	32/0.20	7.0	10	77
35305	3 x 1.5	30/0.25	8.2	15	106
35306	3 x 2.5	50/0.25	10.0	20	166
35307	3 x 4	56/0.30	11.3	25	227
35308	4 x 0.75	24/0.20	10.8	7.5	79
35309	4 x 1	32/0.20	11.0	10	98
35310	4 x 1.5	30/0.25	9.2	15	137
35311	4 x 2.5	50/0.25	10.9	20	205
35312	4 x 4	56/0.30	12.3	25	286
35313	5 x 0.75	24/0.20	8.0	7.5	99
35314	5 x 1	32/0.20	8.6	10	118
35315	5 x 1.5	30/0.25	10.2	15	169
35316	5 x 2.5	50/0.25	12.1	20	254
35317	5 x 4	56/0.30	13.8	25	361

*Current ratings based on AS/NZS3008.1.1:2009 table 16

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PVC Flexible Cords

Heavy Duty Multi-Core Flexible Tinned Copper Cable



Application:

For use as extension leads in heavy duty applications

Benefits	
Prescribed Items	Selected 2 and 3 core cables on prescribed items list
Extreme Flexibility	Class 5 flexible conductor stranding
Easy to Solder	Tinned copper conductors for easy adhesion
Longer life	V90-HT/5V90 insulation and sheath for double the expected lifespan of V75/4V75
Custom Marking	Customers own printing available upon request
Wide choice	Different sheath colours available upon request
Features	
✓	Tinned copper strands for corrosion protection
✓	Oxygen free 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, long term durability and flexibility
Construction	
Conductor	Tinned annealed copper wire, class 5
Insulation	V90-HT PVC
Sheath	5V90 PVC
Core Colours	3 Core – Brown, light blue, green/yellow
	4 Core – Brown, black, light blue, green/yellow
	5 Core – Brown, black, grey, light blue, green/yellow
Sheath Colours	Black, grey, orange– Others available upon request
Ratings	
Temperature	-10°C to + 90°C
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125, AS/NZS3808, AS/NZS3191, AS/NZS1660.5.6, IEC 60228, IEC 60332-1



Flexible Conductor:
Class 5



Oxygen Free, Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
-10°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



Metre Marking



Minimum Recommended
Bend Radius Fixed 4 x OD

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Heavy Duty Multi-Core Flexible Tinned Copper Cable

Bambach Item Code	No. of Cores x Conductor CSA mm ²	Nom. Conductor Stranding No. of Strands / mm	Nom Ø	Current Rating† Amps	Weight kg/km
35400	3 x 1	32/0.20	9.1	10	113
35401	3 x 1.5	30/0.25	10.0	15	143
35402	3 x 2.5	50/0.25	11.8	20	209
35403	4 x 1	32/0.20	10.0	10	140
35404	4 x 1.5	30/0.25	11.0	15	177
35405	4 x 2.5	50/0.25	13.0	20	260
35406	5 x 2.5	50/0.25	14.3	20	300

*Current ratings based on AS/NZS3008.1.1:2009 table 16



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