

Mining Cable

Type 1 Machine Cable



Application:

Typically used for interconnection of control boxes or motors on non-mobile or fixed apparatus. Used when exposure to heat is not an issue and where added mechanical strength is required

Benefits

Robust Construction	Cores are taped and tightly braided to minimise damage from vibration
Extremely Flexible	Flexible cable using class 5 conductors
Easy to Install	Flexible insulation and sheath for use in confined applications
Excellent Screening	Composite tinned copper and poly-yarn screening provides excellent mechanical strength with high coverage

Features

- ✓ Fine conductor stranding for high flexing
- ✓ RoHS compliant to European environmental requirements
- ✓ Tinned copper strands for high corrosion protection
- ✓ Tinned copper braid with 90% minimum coverage provides excellent EMI and mechanical protection
- ✓ Easy to identify white cores with black numbering

Construction

Conductor	Tinned annealed copper wire, class 5
Insulation	V90-HT PVC
Screening	Tinned annealed copper wire inter woven with high textile poly-yarn
Sheath	5V90 PVC
Colours	White with black numbering

Ratings

Temperature	0°C to + 90°C
Voltage	1.1/1.1kV
Conductor DC Resistance	12.3Ω/km
Capacitance (Core – Core, 1kHz)	110pF/m
Inductance (Parallel Cores, 1kHz)	0.67μH/m
L/R Ratio	27.8μH/Ω
Applicable Standards	AS/NZS1125, AS/NZS1972, AS/NZS3808



Flexible Conductor:
Class 5



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 & Oil Resistant



Flame
Non-Propagation



UV Resistant



Minimum Recommended
Bend Radius Fixed 6 x OD

SYDNEY (Head Office)

102 Old Pittwater Road
Brookvale NSW 2100
Phone: 02 9938 5622
Fax: 02 9938 3973

BRISBANE

2/284 Musgrave Road
Coopers Plains QLD 4108
Phone: 07 3277 5811
Fax: 07 3274 0080

MELBOURNE

9/24-26 Carrick Drive
Tullamarine VIC 3043
Phone: 03 9335 2600
Fax: 03 9330 3903

NEWCASTLE

64 Orlando Road
Lambton NSW 2299
Phone: 02 4956 2044
Fax: 02 4956 1983

WESTERN AUSTRALIA

1 Karratha St
Welshpool WA 6106
Phone: 08 9351 9966
Fax: 08 9356 2522



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Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No. of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
14475BK	2 x 1.5	30/0.25	8.6	17	105
14463BK	4 x 1.5	30/0.25	9.8	14	154
14461BK	6 x 1.5	30/0.25	12.3	12	255
47894BK	30 x 1.5	30/0.25	24.5	8	1056

*Current ratings based on AS/NZS3008.1.1:2009 table 10 column 12, table 13 column 12 and table 22 row 2