

Pump Cable

Submersible Pump Cable



Application:

Power and control cable for pumps and other submerged equipment. For use in deep underwater applications

Benefits

Submersible	Suitable for permanent deep water installations
Extremely Flexible	Flexible cable using class 5 conductors
Easy to Install	Flexible insulation and sheath for use in confined applications
Easy to Fit	Cable manufactured to fit common gland sizes
Suitable For Outdoors	UV resistant sheath extends life in exposed environments
Chemical Resistance	Excellent resistance to acids, alkalis, sewerage and ozone
Excellent Screening	Tinned copper braid reduces EMI from surrounding environment

Features

- ✓ Fine conductor stranding for high flexing
- ✓ RoHS compliant to European environmental requirements
- ✓ Tinned copper strands for high corrosion protection
- ✓ Tinned copper braid with 85% minimum coverage provides excellent EMI protection
- ✓ TPV insulation and sheath provides excellent ozone, water, chemical and weathering resistance
- ✓ All cables have specific diameters to suit common gland sizes

Construction

Conductor	Tinned annealed copper wire, class 5
Insulation	Thermoplastic Vulcanizate TPV
Screening	Tinned annealed copper wire (as specified)
Sheath	Thermoplastic Vulcanizate TPV
Colours	Cores - Black, brown, blue, green/yellow - Pilots – White with black numbers

Ratings

Temperature	-30°C to + 75°C
Voltage	0.6/1kV
Applicable Standards	AS/NZS1125



Flexible Conductor:
Class 5



Tinned Copper
for Corrosion Resistance



Minimum Service
Temperature:
-30°C



Maximum Service
Temperature:
75°C



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



Impact Resistant



Grease & Mineral Oils
Resistant



Chemical & Oil Resistant



UV Resistant



Water Resistant



Halogen Free



Submersible Pumps



Minimum Recommended
Bend Radius Fixed 4 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



Pump Cable - Unscreened

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
14988BE	4 Core x 2.5mm ² + 4 Pilots x 0.75mm ²	50/0.25 24/0.20	15.0	21	210
14990BE	4 Core x 4mm ² + 4 Pilots x 1mm ²	56/0.30 32/0.20	20.0	28	410
14992BE	4 Core x 6mm ² + 4 Pilots x 1mm ²	84/0.30 32/0.20	18.5	36	498
14994BE	4 Core x 10mm ² + 4 Pilots x 1mm ²	140/0.30 32/0.20	20.5	51	632
14996BE	4 Core x 16mm ² + 4 Pilots x 1mm ²	224/0.30 32/0.20	28.0	67	1095

Pump Cable - Screened

Bambach Item Code	Conductor CSA mm ²	Conductor Stranding No of Strands/mm	Nom Ø mm	Current Rating* Amps	Weight kg/km
15000BE	4 Core x 4mm ² + 4 Pilots x 1mm ²	56/0.30 32/0.20	19.5	28	491
15001BE	4 Core x 6mm ² + 4 Pilots x 1mm ²	84/0.30 32/0.20	21.5	36	731
15002BE	4 Core x 10mm ² + 4 Pilots x 1mm ²	140/0.30 32/0.20	25.5	51	917
15003BE	4 Core x 16mm ² + 4 Pilots x 1mm ²	224/0.30 32/0.20	29.5	67	1281

* Current ratings based on AS/NZS3008.1.1:2009 table 13 column 6

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