

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
- ✓ Oxygen free tinned copper for high conductivity soldered connections and 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	Oxygen free tinned annealed copper wire, class 5
Insulation	TPE-75 – Thermoplastic vulcanizate
Screening	Oxygen free tinned annealed copper wire (as specified)
Sheath	GP-75-TPE – Thermoplastic vulcanizate
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, AS/NZS3808, AS/NZS5000.1 (Generally), IEC 60228



Flexible Conductor:
Class 5



Oxygen Free, 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



Metre Marking



Minimum Recommended
Bend Radius Fixed 4 x OD

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WESTERN AUSTRALIA
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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
14988	4 Core x 2.5mm ² + 4 Pilots x 0.75mm ²	50/0.25 24/0.20	15.0	21	210
14990	4 Core x 4mm ² + 4 Pilots x 1mm ²	56/0.30 32/0.20	20.0	28	410
14992	4 Core x 6mm ² + 4 Pilots x 1mm ²	84/0.30 32/0.20	18.5	36	498
14994	4 Core x 10mm ² + 4 Pilots x 1mm ²	140/0.30 32/0.20	20.5	51	632
14996	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
15000	4 Core x 4mm ² + 4 Pilots x 1mm ²	56/0.30 32/0.20	19.5	28	491
15001	4 Core x 6mm ² + 4 Pilots x 1mm ²	84/0.30 32/0.20	21.5	36	731
15002	4 Core x 10mm ² + 4 Pilots x 1mm ²	140/0.30 32/0.20	25.5	51	917
15003	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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