800 m deep-well potable water submersible pump cable

800 / 07 / 1

0.6/1 kV 800m Deep-Well Potable Water Pump Cable

WRAS / KTW / ACS · 0.6/1 kV · 800 m deep-well potable water submersible pump cable



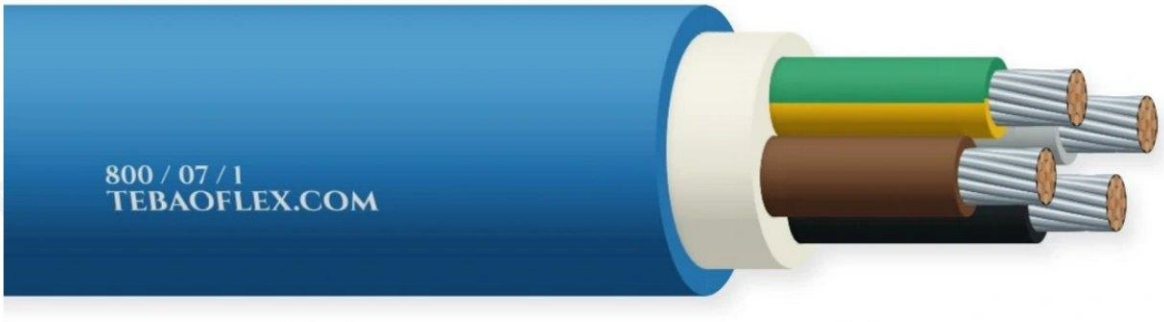
WRAS / ACS / KTW / DM174 | **450/750 V & 0.6/1 kV** | **AD8 800 m Submersion**

Application

800 & 07 / 1 (Round & FL Flat Series) 450/750V & 0.6/1kV Deep-Well Potable Water Submersible Pump Cable (Up to 800m Depth) (WRAS / KTW / ACS, 0.6/1 kV, -25 to +80 °C, min. bend radius 6 × OD).

Typical uses: Deep-Well Potable Water Pumping, Municipal Sewage & Wastewater Plants, Mine Dewatering & Slurry Dredging, Geothermal, Spa & Pool Installations

Construction





Cross-section, not to scale

1. Class 5 Tinned Copper Conductors (4G16)
2. High-Modulus Waterproof EPR (EI7 / 3GI3)
3. Inner Waterproof Sheath Layer (800 m)
4. Quad-Certified Blue Food-Grade Sheath

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174)	**Core / conductor construction**	Class 5 Tinned Copper Conductors (4G16) — IEC 60228 / VDE 0295 Class 5 flexible annealed tinned copper conductors
Primary dielectric / buffering	High-Modulus Waterproof EPR (EI7 / 3GI3) — 0.6/1 kV water-resistant EPR insulation color-coded Brown, Black, Grey & G/Y	**Continuous operating temperature**	−25…+80 °C (subsea, marine & submersible duty)
Short-circuit / peak thermal rating	Verified thermal stability per DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	Quad-Certified Blue Food-Grade Sheath — Cross-linked 5GM3/EM2 elastomer certified to UK WRAS, ACS, KTW/W270 & DM 174/04	**Minimum bending radius**	6 × OD
Hydrostatic, tensile & crush duty	Inner Waterproof Sheath Layer (800 m) — Extruded waterproof elastomeric inner bedding resisting 80 bar hydrostatic pressure	**Hydrostatic pressure & water blocking**	Engineered for continuous submersion and hydrostatic integrity per DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174
Seawater, oil & chemical resistance	Resistant to seawater hydrolysis, hydraulic oils and abrasion per DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174		

Sizes

3 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
800 / 07 / 1 Construction Schedule (−25…+80 °C) 3 sizes						
☐ **800 4G16 mm²**	**4G16 mm² (3×16 + 1G16)**	**IEC 60228 Class 5 flexible Cu/SnCu**	**21.8**	**840**	**2.4**	**130**
☐ **800 4G35 mm²**	**4G35 mm² (3×35 + 1G16)**	**IEC 60228 Class 5 flexible Cu/SnCu**	**28.6**	**1,620**	**5.2**	**172**
☐ **800 3×70 + 3G16 mm²**	**3 × 70 mm² + 3G16 mm²**	**IEC 60228 Class 5 flexible Cu/SnCu**	**38.4**	**3,180**	**10.5**	**230**

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
4G16 mm² (3×16 + 1G16)	**1.21**	**0.6/1 kV (94 A submerged)**	**−25…+80 °C**
4G35 mm² (3×35 + 1G16)	**0.55**	**0.6/1 kV (152 A submerged)**	**−25…+80 °C**
3 × 70 mm² + 3G16 mm²	**0.27**	**0.6/1 kV (235 A submerged)**	**−25…+80 °C**

– Every production length undergoes routine conductor DC resistance, high-voltage dielectric or OTDR continuity and dimensional verification.

Standards and approvals

- WRAS / KTW / ACS Compliant
- EN 10204 3.1 Factory Test Certificate
- CE, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

Web
tebaoflex.com/cables/800-07-1

Typical values for this cable type, based on DIN VDE 0282 / UK WRAS / ACS / KTW-W270 / DM 174. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.