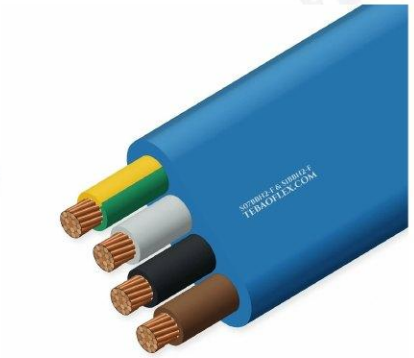
2,000 m ELL/ACS potable-water EPDM flat submersible pump cable

S07BBH2-F & S1BBH2-F

2,000m ELL/ACS Flat Drinking-Water Pump Cable

UBA ELL & ACS 2,000m · 0.6/1 kV · 2,000 m ell/acs potable-water epdm flat submersible



UBA ELL & French ACS | **450/750 V & 0.6/1 kV** | **AD8 2,000 m Flat EPDM**

Application

S07BBH2-F (450/750 V) & S1BBH2-F (0.6/1 kV) (AD8 Submersible) ELL/ACS Certified EPR/HEPR-Insulated EPDM-Sheathed 2,000m Flat Drinking-Water Submersible Pump Cable (UBA ELL & ACS 2,000m, 0.6/1 kV, -25 to +80 °C).

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. Parallel Class 5 Bare Copper Cores (3–4 Flat)
2. EPR / Reduced-Wall HEPR Insulation
3. ELL & ACS Potable-Water EPDM Flat Sheath

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (German UBA ELL & French ACS / DIN EN 60228 Potable Flat)	**Core / conductor construction**	Parallel Class 5 Bare Copper Cores (3–4 Flat) — DIN EN 60228 Class 5 flexible plain copper (up to 240 mm² in S07BBH2-F / 185 mm² in S1BBH2-F)
Primary dielectric / buffering	EPR / Reduced-Wall HEPR Insulation — EPR (450/750 V S07BBH2-F) or thin-wall high-modulus HEPR (0.6/1 kV S1BBH2-F)	**Continuous operating temperature**	−25…+80 °C (subsea, marine & submersible duty)
Short-circuit / peak thermal rating	Verified thermal stability per German UBA ELL & French ACS / DIN EN 60228 Potable Flat	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	ELL & ACS Potable-Water EPDM Flat Sheath — Flat extruded EPDM outer sheath certified to German UBA ELL & French ACS down to 2,000 m	**Minimum bending radius**	6 × OD
Hydrostatic, tensile & crush duty	EPR / Reduced-Wall HEPR Insulation — EPR (450/750 V S07BBH2-F) or thin-wall high-modulus HEPR (0.6/1 kV S1BBH2-F)	**Hydrostatic pressure & water blocking**	Engineered for continuous submersion and hydrostatic integrity per German UBA ELL & French ACS / DIN EN 60228 Potable Flat
Seawater, oil & chemical resistance	Resistant to seawater hydrolysis, hydraulic oils and abrasion per German UBA ELL & French ACS / DIN EN 60228 Potable Flat	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	German UBA ELL & French ACS / DIN EN 60228 Potable Flat		

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
S07BBH2-F & S1BBH2-F Construction Schedule (−25…+80 °C) 3 sizes						
☐ **S07BBH2-F 4G16 mm²**	4G16 mm² (3×16 + 1G16)	IEC 60228 Class 5 flexible Cu/SnCu	21.8	840	2.4	130
☐ **S07BBH2-F 4G35 mm²**	4G35 mm² (3×35 + 1G16)	IEC 60228 Class 5 flexible Cu/SnCu	28.6	1,620	5.2	172
☐ **S07BBH2-F 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 German UBA ELL & French ACS / DIN EN 60228 Potable Flat.

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

- UBA ELL & ACS 2,000m 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/s07bbh2-f-s1bbh2-f

Typical values for this cable type, based on German UBA ELL & French ACS / DIN EN 60228 Potable Flat. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.