KTW/W270/ACS certified EPDM round & flat potable-water pump cable

TML TYPE B (TML-B ROUND / FLAT)

TML Type B (Round/Flat) 0.6/1 kV Potable-Water Submersible Pump Cable



VDE 0282-16 / EM6 · 0.6/1 kV · Ktw/w270/acs certified epdm round & flat potable-water

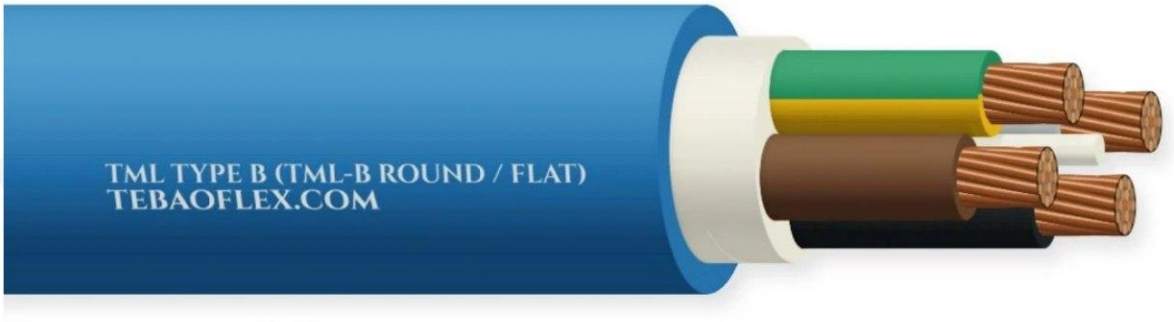
VDE 0282-16 / KTW / ACS | **450/750 V & 0.6/1 kV** | **400–2,000 m Round & Flat**

Application

TML Type B (TML Round Type B / TML Flat Type B / TML T-RD / TML T-F) 450/750V & 0.6/1kV Potable Water Submersible Pump Motor Cable (VDE 0282-16 / EM6, 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 Flexible Conductors (4G16 mm²)
2. Water-Resistant EPR Insulation (3GI3 / EI6)
3. Non-Toxic Central Filler & Separator
4. Food-Grade Blue EPDM Sheath (EM6 / 3G357)

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS)	**Core / conductor construction**	Class 5 Flexible Conductors (4G16 mm²) — DIN EN 60228 Class 5 finely stranded plain (or tinned) annealed copper
Primary dielectric / buffering	Water-Resistant EPR Insulation (3GI3 / EI6) — Low-water-absorption cross-linked EPR color-coded Brown, Black, Grey & Green/Yellow	**Continuous operating temperature**	−25…+80 °C (subsea, marine & submersible duty)
Short-circuit / peak thermal rating	Verified thermal stability per DIN VDE 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	Food-Grade Blue EPDM Sheath (EM6 / 3G357) — Peroxide-crosslinked potable-water EPDM sheath (ELL/KTW, DVGW W270 & ACS certified)	**Minimum bending radius**	6 × OD
Hydrostatic, tensile & crush duty	Non-Toxic Central Filler & Separator — Food-grade central rubber dummy filler + polyester separator tape	**Hydrostatic pressure & water blocking**	Engineered for continuous submersion and hydrostatic integrity per DIN VDE 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS
Seawater, oil & chemical resistance	Resistant to seawater hydrolysis, hydraulic oils and abrasion per DIN VDE 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN VDE 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS		

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
TML TYPE B (TML-B ROUND / FLAT) Construction Schedule (−25…+80 °C) 3 sizes						
☐ **TML TYPE B 4G16 mm²**	**4G16 mm² (3×16 + 1G16)**	**IEC 60228 Class 5 flexible Cu/SnCu**	**21.8**	**840**	**2.4**	**130**
☐ **TML TYPE B 4G35 mm²**	**4G35 mm² (3×35 + 1G16)**	**IEC 60228 Class 5 flexible Cu/SnCu**	**28.6**	**1,620**	**5.2**	**172**
☐ **TML TYPE B 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 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS.

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

- VDE 0282-16 / EM6 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/tml-type-b-tml-b-round-flat

Typical values for this cable type, based on DIN VDE 0282-16 / EN 50363-2-1 EM6 / KTW / W270 / ACS. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.