Screened submersible mine dewatering pump cable

15000BE (OGŁ)

0.6/1 kV Submersible Mine Pump Cable

AS/NZS 5000.1 / PN-90/E-90100 · 0.6/1 kV · Screened submersible dewatering pump cable



AS/NZS 5000.1 | 0.6/1 kV + 4 Pilots | 500 m Submersible

Application

15000BE (OGŁ) 0.6/1 kV screened submersible mine dewatering and slurry pump cable rated to 500 m depth, combining 4 R-EP-90 EPR power/earth cores, 4 pilot cores, 85% tinned copper braid screen and a blue TPV elastomer sheath.

Typical uses: Underground Coal & Hard-Rock Mining, Open-Cast Excavators, Draglines & Shovels, Vertical Mine Shafts, Hoists & Boreholes, Tunneling, Mineral Processing & Slurry Plants

Construction





Cross-section, not to scale

1. Power & Earth Cores (4×25 mm²)
2. Thermistor/Moisture Pilots (4×1.5 mm²)
3. TPV Elastomer Inner Bedding
4. Overall Tinned Copper Braid (85%)
5. Submersible Blue TPV Outer Sheath

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100)
Primary dielectric / buffering	Thermistor/Moisture Pilots (4×1.5 mm²) — Four numbered black R-EP-90 EPR tinned copper monitoring cores in interstices
Short-circuit / peak thermal rating	Verified thermal stability per AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100
Outer protection / armouring	Submersible Blue TPV Outer Sheath — Heavy-duty oil-, acid- and abrasion-resistant blue TPV jacket (500 m depth)
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100
Standards	AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100
Core / conductor construction	Power & Earth Cores (4×25 mm²) — Class 5 rope-stranded tinned copper + Red, White, Blue & G/Y R-EP-90 EPR
Continuous operating temperature	-25 to +90 °C (mining & industrial service)
Storage & transport temperature	−40…+80 °C on export wooden/steel drum
Minimum bending radius	8 × OD
Flame retardancy & mine fire safety	Self-extinguishing / flame-retardant mining jacket per AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100
RoHS & REACH compliance	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant

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
15000BE (OGŁ) Construction Schedule (-25 to +90 °C) 3 sizes						
☐ 15000BE (OGŁ) 4×16 + 4×1.5 mm²	4×16 mm² + 4×1.5 mm²	Class 5 tinned Cu	26.8	1,340	9.6	215
☐ 15000BE (OGŁ) 4×25 + 4×1.5 mm²	4×25 mm² + 4×1.5 mm²	Class 5 tinned Cu	31.2	1,920	15.0	250
☐ 15000BE (OGŁ) 4×35 + 4×1.5 mm²	4×35 mm² + 4×1.5 mm²	Class 5 tinned Cu	35.0	2,510	21.0	280

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
4×16 mm² + 4×1.5 mm²	1.24	0.6/1 kV (98 A)	-25 to +90 °C
4×25 mm² + 4×1.5 mm²	0.80	0.6/1 kV (128 A)	-25 to +90 °C
4×35 mm² + 4×1.5 mm²	0.56	0.6/1 kV (158 A)	-25 to +90 °C

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

Standards and approvals

- AS/NZS 5000.1 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/15000be-ogl-0-6-1kv-screened-submersible-mine-dewatering-pump-cable

Typical values for this cable type, based on AS/NZS 5000.1 / AS/NZS 1125 / PN-90/E-90100. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.