Mining Explosion-proof Cable

Cable selection for connections to explosion-protected mining equipment. Confirm the cable construction, glands, installation method and required approvals for the specific equipment and site.

CONSTRUCTION

- Copper or aluminium conductor.
- XLPE or EPR insulation.
- Flame-retardant PVC or LSZH sheath with low surface resistance.
- Armouring available where mechanical protection is also required.

TECHNICAL DATA

Voltage rating	0.6/1 kV – 6/10 kV	**Flame retardancy**	IEC 60332-1 / IEC 60332-3
Conductor	Copper or aluminium	**Anti-static**	Low surface resistance sheath
Insulation	XLPE or EPR	**Standards**	IEC 60502, AS/NZS 1802
Sheath	Flame-retardant PVC or LSZH	**Packing**	Steel or wooden drum, custom lengths from 500 m

Typical values. The final construction is confirmed on the order datasheet and the released drawing.

STANDARDS, TESTING AND DOCUMENTS

Routine tests	Conductor resistance, voltage test and insulation resistance on every length
Type tests	Type-test reports for each construction, witnessed by a third party on request
Documents with the drum	Packing list, drum list, routine test certificate, datasheet, CO / FORM A
Traceability	Drum number marked and recorded against the routine test certificate

OTHER CONSTRUCTIONS FROM THE SAME RANGE

Open-pit Mining Trailing Cable	www.zmsminingcable.com/products/special-mining-cables/open-pit-trailing-cable/
Mining Light Duty Flexible Cable	www.zmsminingcable.com/products/special-mining-cables/mining-light-duty-cable/

PACKING AND DELIVERY

Drum	Wooden or steel-framed export drum, 250–500 m per drum by cross-section
Packing	Sealed ends, protected lugs, desiccant, UV-resistant wrap
Marking	Drum no., designation, voltage, cross-section, length, gross weight
Lead time	15–25 working days for standard builds
Terms	FOB Qingdao, Tianjin or Shanghai. CIF, CFR and DAP on request

HOW TO ORDER

To quote, send the voltage class (U0/U), conductor material and cross-section, screen or armour, sheath, drum length, delivery port and the standard the project specifies. We return a released drawing, the test programme and a drum plan with the quotation.

Certification. Environmental management to ISO 14001:2015 and occupational health and safety to ISO 45001:2018, with CE marking under the EU low-voltage and EMC directives. Independent inspection and type testing are carried out through ISO/IEC 17020 and 17025 accredited laboratories. Certificate numbers and validity dates are published at www.zmsminingcable.com/certificates/.

Request a quotation for this cable

Send the specification sheet or the cable schedule and we return a released drawing, the test programme and a drum plan with the price.

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