General Multi-core Control Cable

300/500 V · PVC

The standard choice for control, indication and interlocking circuits where a flexible, clearly identified multi-core cable is required.

RATED VOLTAGE	CONDUCTOR	INSULATION	CORE IDENTIFICATION
300/500 V	Plain annealed copper, Class 1/2	PVC	Black with white numbers / colour code

TYPICAL APPLICATIONS

- Control panels and switchgear
- Machine and production line wiring
- Building services and pump control
- Interlocking and indication circuits

CONSTRUCTION

- Plain copper conductors, Classes 1 and 2
- PVC insulation with numbered cores
- Layered cabling with fillers where required
- PVC sheath, flame retardant
- Optional LSZH or PE sheath

TECHNICAL DATA

Rated voltage	300/500 V	**Cross-section**	0.5–10 mm²
Conductor	Plain annealed copper, Class 1/2	**Sheath**	PVC, black / grey
Insulation	PVC	**Standard**	IEC 60227, IEC 60228
Core identification	Black with white numbers / colour code	**Temperature**	70 °C
Core range	2–61 cores	**Packing**	100 m / 500 m / 1000 m drums

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

Flexible Drag Chain Control Cable	www.zmscontrolcable.com/products/general-control-cables/flexible-drag-chain-control-cable/
Copper Braided Shielded Control Cable	www.zmscontrolcable.com/products/shielded-control-cables/copper-braided-shielded-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.

SELECTION NOTES

Can I order a non-standard core count?
Yes. Core counts from 2 to 61 are available, and mixed cross-sections can be reviewed by our engineering team.

Is LSZH available?
Yes. The same construction can be supplied with a low-smoke halogen-free sheath.

What is the standard delivery length?
100 m, 500 m and 1000 m are standard; custom drum lengths are available on request.

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.zmscontrolcable.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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