Armoured Shielded Control Cable

SWA · OVERALL SCREEN

Two layers of protection: armour for the route, a screen for the signal.

RATED VOLTAGE	CONDUCTOR	INSULATION	SCREEN
300/500 V	Plain copper, Class 1/2	PVC	Overall copper braid

TYPICAL APPLICATIONS

- Direct burial between plant buildings
- Outdoor switchyards and utility sites
- Tunnel and duct control routes
- Heavy-duty industrial interconnections

CONSTRUCTION

- Copper conductors with PVC insulation
- Overall copper braid screen
- Galvanised steel wire armour
- PVC outer sheath
- Optional LSZH sheath

TECHNICAL DATA

Rated voltage	300/500 V	**Core range**	2–37 cores
Conductor	Plain copper, Class 1/2	**Cross-section**	0.75–6 mm²
Insulation	PVC	**Sheath**	PVC, black
Screen	Overall copper braid	**Standard**	IEC 60227, IEC 60228
Armour	Galvanised steel wire (SWA)		

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

Copper Braided Shielded Control Cable	www.zmscontrolcable.com/products/shielded-control-cables/copper-braided-shielded-cable/
General Multi-core Control Cable	www.zmscontrolcable.com/products/general-control-cables/general-multi-core-control-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

SWA or STA?
Steel wire armour offers high tensile strength and flexibility; steel tape armour is compact and provides good crush resistance. We can supply both.

Can the armour be used as the earth conductor?
The armour can provide an earth path, but the earthing design must be confirmed by the project engineer.

Is a screened version available?
Yes, this product combines SWA armour with an overall copper braid.

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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