Armoured Shielded Control Cable

450/750 V · 2–61 CORES · SCREENED

450/750V screened and armoured control cable, 2 to 61 cores, tinned copper braid plus steel wire armour for noisy plant environments.

RATED VOLTAGE	CONDUCTOR	INSULATION	CORES
450/750 V	Class 5 flexible or class 2 stranded copper	PVC or XLPE	2 – 61

TYPICAL APPLICATIONS

- PLC and DCS I/O wiring
- VFD and motor control circuits
- Instrument and RTD signal runs
- Substation and switchgear control
- Tray and duct routes in heavy plant

TECHNICAL DATA

Property	Specification	Screen	Tinned copper braid, 85% coverage (95% on request)
Rated voltage	450/750 V	**Armour**	Galvanised steel wire or steel tape
Conductor	Class 5 flexible or class 2 stranded copper	**Sheath**	PVC or LSZH
Insulation	PVC or XLPE	**Standard**	IEC 60227, IEC 60228, IEC 60332-1-2
Cores	2 – 61	**Core identification**	Numbered, HD 308 colour code
Cross-section	0.5 – 2.5 mm² (up to 10 mm² on request)	**Bending radius**	10 × overall diameter

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

SWA LV Power Cable	www.zmsarmouredcable.com/products/swa-armoured-power-cables/swa-lv-power-cable/
Steel Wire Armoured MV	www.zmsarmouredcable.com/products/steel-wire-armoured-cables/steel-wire-armoured-mv-cable/
AWA Armoured Cable	www.zmsarmouredcable.com/products/awa-aluminum-wire-armoured-cables/awa-armoured-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.zmsarmouredcable.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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