AWA Aluminum Wire Armoured Cable

0.6/1 KV · NON-MAGNETIC AWA

Non-magnetic aluminium wire armour for single-core and AC circuits — 0.6/1kV, 16 to 630 mm², IEC 60502-1.

RATED VOLTAGE	CONDUCTOR	INSULATION	ARMOUR
0.6/1 kV (MV grades on request)	Copper or aluminium, class 2	XLPE or PVC	Aluminium wire, non-magnetic

TYPICAL APPLICATIONS

- Single-core AC feeders
- Transformer and switchgear tails
- Busbar and riser connections
- Duct and trench routes with mechanical risk
- Earthing-conscious designs

TECHNICAL DATA

Property	Specification	Property	Specification
Rated voltage	0.6/1 kV (MV grades on request)	**Cross-section**	16 – 630 mm²
Conductor	Copper or aluminium, class 2	**Oversheath**	PVC, PE or LSZH
Insulation	XLPE or PVC	**Standard**	IEC 60502-1, IEC 60228
Armour	Aluminium wire, non-magnetic	**Current rating**	No armour derating
Cores	1 (standard), multicore on request	**Bending radius**	12 × overall diameter
		Packing	Drum, cut lengths

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/
Armoured Shielded Control	www.zmsarmouredcable.com/products/armoured-control-cables/armoured-shielded-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.

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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