Steel Wire Armoured MV Cable

6/10 – 18/30 KV · STEEL WIRE ARMOUR

6/10kV to 18/30kV XLPE insulated steel wire armoured cable with copper tape screen — for buried MV feeders and vertical risers.

RATED VOLTAGE	CONDUCTOR	INSULATION	SCREEN
6/10, 8.7/15, 12/20, 18/30 kV	Class 2 copper or aluminium	XLPE, 3.4 – 8.0 mm depending on grade	Copper tape, overlapped

TYPICAL APPLICATIONS

- Buried MV distribution feeders
- Ring main units and substation interconnectors
- Vertical risers and shaft drops
- Wind farm and industrial park collection
- River, bridge and jetty crossings

TECHNICAL DATA

Property	Specification	Cross-section	25 – 400 mm²
Rated voltage	6/10, 8.7/15, 12/20, 18/30 kV	**Standard**	IEC 60502-2, BS 5467 / BS 7835
Conductor	Class 2 copper or aluminium	**Partial discharge**	≤ 5 pC at 1.73 U0
Insulation	XLPE, 3.4 – 8.0 mm depending on grade	**Voltage test**	3.5 U0, 5 min
Screen	Copper tape, overlapped	**Bending radius**	15 × overall diameter
Armour	Galvanised steel wire (SWA)	**Packing**	Drum, cut lengths to route
Oversheath	PVC, PE or LSZH		

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/
AWA Armoured Cable	www.zmsarmouredcable.com/products/awa-aluminum-wire-armoured-cables/awa-armoured-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.

Tel +86 371 6782 9333
WhatsApp +86 173 0383 6349
info@zmscable.com
www.zmsarmouredcable.com