Steel Tape Armoured Cable, 0.6/1kV

ARMOURED LV CABLES

0.6/1kV XLPE cable with a galvanised steel tape armour over a PVC bedding, finished with a PE or PVC sheath for buried and exposed routes.

VOLTAGE	ARMOUR	SIZE	SHEATH
0.6/1 kV	STA / DSTA	4 – 400 mm²	PE / PVC

TECHNICAL DATA

Standard	IEC 60502-1, IEC 60228	**Armour**	Galvanised steel tape, single or double layer
Rated voltage	0.6/1 kV (U0/U)	**Outer sheath**	PE or PVC ST2, black, 1.8 – 3.0 mm nominal
Conductor	Class 2 stranded copper; aluminium on request	**Bending radius**	12 × overall diameter (tape armour)
Cross-section	4 – 400 mm²	**Application**	Direct burial, cable trench, outdoor yard, duct
Insulation	XLPE (90 °C) or PVC (70 °C)	**Packing**	Drum, 500 m / 1000 m or project lengths
Bedding	Extruded PVC or PE inner covering		

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

0.6/1kV PVC/XLPE Insulated LV Power Cable	www.zmslvcable.com/products/lv-power-cables-0-6-1kv/pvc-xlpe-lv-power-cable/
Aluminum Conductor LV Cable	www.zmslvcable.com/products/lv-power-cables-0-6-1kv/aluminum-conductor-lv-cable/
LSZH Flame Retardant LV Cable	www.zmslvcable.com/products/lszh-flame-retardant-cables/lszh-lv-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

How deep should armoured cable be buried?
Burial depth is set by local regulation and by the risk of later excavation — commonly 0.6 to 0.8 m with sand bedding and warning tape. The armour protects against impact, not against a mechanical digger, so marking and route records still matter.

Can the armour be used as the earth conductor?
It can carry fault current, but the cross-section must satisfy the disconnection requirements of the installation. Many specifications require a separate earth core, which is why 3+1 and 4+1 constructions are common for buried feeders.

Does the cable come with glands?
Glands and lugs are not part of the cable but we can supply them matched to the cable diameter and armour type, with an earth tag for the armour bond.

Is STA cable suitable for a vertical riser?
Tape armour provides radial protection but limited tensile strength. For long vertical runs specify steel wire armour (SWA), which carries the cable weight.

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.zmslvcable.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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