Single Core Cables, with Stranded Circular Copper Conductors, XLPE Insulated, Armored by Aluminium Wires and PVC Sheathed

0.6/1 (1.2) kV

(a) Description

- Soft annealed stranded Copper conductor, insulated with a XLPE compound rated 90 °C, armored by Aluminum wires and sheathed with a PVC compound layer.
- Cables are produced according to IEC 60502.

(b) Application

- For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, industrial plants, as well as in thermopower and hydropower stations.

(c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Plain annealed Copper, Class 2 according to IEC 60228.
Insulation :	Cross Linked Polyethylene Compound (XLPE).
Bedding :	PVC.
Armor :	Aluminium Wires Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 90 °C during operation.
Minimum Bending Radius:	10 x cable outer diameter (ø).
Packing Condition :	On non-returnable wooden drum.

(d) Product Data

Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating						Approx. Overall Diameter	Approx. Weight
	DC at 20 °C	"AC at 90 °C"	Laid in Ground			Laid in Free Air				
mm^2	Ω/km	Ω/km	A	A	A	A	A	A	mm	kg/km
120	0.1530	0.1970	370	348	283	422	411	356	24.5	1560
150	0.1240	0.1600	408	387	321	478	466	407	26.3	1855
185	0.0991	0.1290	468	440	365	554	543	461	28.4	2255
240	0.0754	0.0990	539	505	418	680	670	561	31.2	2845
300	0.0601	0.0810	609	565	473	861	790	648	34	3490
400	0.0470	0.0638	695	642	533	933	911	746	37.7	4490
500	0.0366	0.0517	788	717	592	1054	1032	850	41.7	5600
630	0.0283	0.0425	903	805	675	1207	1185	999	45.6	6900
800	0.0221	0.0292	991	891	761	1372	1350	1141	52.1	8950

The above data is approximate and subjected to manufacturing tolerance.