

0.6/1 (1.2) kV



(a) Description

- Multicore cables of stranded Aluminium conductors are insulated with a XLPE compound, assembled together, armored with steel wires and covered with an overall jacket of a PVC compound.
- Cables are produced according to IEC 60502.

(b) Application

- For outdoor installations in damp wet locations where mechanical damages are expected to occur.

(c) Technical data

Relevant Standard:	IEC 60502 Part 1.
Conductor :	Aluminium, Class 2 according to IEC 60228.
Insulation :	Cross Linked Polyethylene Compound (XLPE).
Colour Code :	Two cores : Red and Black. Three cores : Red, Yellow and Blue. Four cores : Red, Yellow, Blue and Black .
Laying up :	Cores twisted together with filling elements if necessary.
Wrapping :	At least 1 layer of Ploypropylene Tape.
Bedding :	PVC.
Aarmor :	Galvanized Steel Wires Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 90 °C during operation.
Minimum Bending Radius:	15 x cable outer diameter (ø).
Packing Condition :	On non-returnable wooden drum.



Low Voltage Power Cables

(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*	"Direct in Ground"	Laid in Ducts	"Direct in Free Air"		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km
Two Core Cables							
25 r	1.2000	1.5400	105	81	111	24.1	1110
35 r	0.8680	1.1130	141	114	144	26.3	1300
Three Core Cables							
25 r	1.2000	1.5400	97	76	98	25.8	1170
35 r	0.8680	1.1130	131	104	127	28.2	1365
Four Core Cables							
16 r	1.9100	2.4500	73	57	74	24.2	1060
25 r	1.2000	1.5400	97	76	98	27.8	1370
35 r	0.8680	1.1130	131	104	127	30.7	1635
50 s	0.6410	0.8220	158	120	155	33.1	2330
70 s	0.4430	0.5690	191	153	190	39.2	2760
95 s	0.3200	0.4110	229	180	231	42.9	3340
120 s	0.2520	0.3250	256	207	265	48.4	4320
150 s	0.2060	0.2650	289	234	311	53.1	5080
185 s	0.1640	0.2120	316	262	352	57.9	5990
240 s	0.1250	0.1630	371	305	421	64.1	7220
300 s	0.1000	0.1310	425	354	496	69.7	8440
400 s	0.0778	0.1025	484	407	564	76.8	10630
Four Core Cables with Reduced Neutral							
35 r + 16 r	0.8680/1.9100	1.1130/2.4500	131	104	127	28.9	1490
50 s + 25 r	0.6410/1.2000	0.8220/1.5400	158	120	155	31.3	1870
70 s + 35 r	0.4430/0.8680	0.5690/1.1130	191	153	190	37.5	2600
95 s + 50 s	0.3200/0.6410	0.4110/0.8220	229	180	231	41.2	3090
120 s + 70 s	0.2530/0.4430	0.3250/0.5690	256	207	265	45.3	3690
150 s + 70 s	0.2060/0.4430	0.2650/0.5690	289	234	311	50.5	4700
185 s + 95 s	0.1640/0.3200	0.2120/0.4110	316	262	352	55.4	5550
240 s + 120 s	0.1250/0.2530	0.1630/0.3250	371	305	421	60.3	6560
300 s + 150 s	0.1000/0.2060	0.1310/0.2650	425	354	496	66.4	7820
400 s + 240 s	0.0778/0.1250	0.1025/0.1630	484	407	564	72.7	9845

The above data is approximate and subjected to manufacturing tolerance.

r : round, Stranded
s : Sector, Stranded

