

Multicore Cables, with Stranded Aluminium Conductors, PVC Insulated, Armored by Steel Tape and PVC Sheathed

0.6/1 (1.2) kV



(a) Description

- Multicore cables of stranded Aluminium conductors are insulated with a PVC compound rated 90°C, assembled together, armored with steel tape and covered with an overall jacket of a PVC compound.
- Cables are produced according to IEC 60502.

(b) Application

- For outdoor installations in damp and 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 :	PVC.
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 Polypropylene Tape.
Bedding :	PVC.
Aarmor :	Double Steel Tape Armor.
Outer Jacket :	PVC.
Temperature Range :	15- °C up to + 70 °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 70 °C"	"Laid Direct in Ground"	Laid in Ducts	Laid in Free Air		
mm ²	Ω/km	Ω/km	A	A	A	mm	kg/km

Two Core Cables

25 r	1.2000	1.440	87	68	93	22.0	730
35 r	0.8680	1.0430	116	94	132	24.2	880

Three Core Cables

16 r	1.9100	2.290	60	47	58	20.6	570
25 r	1.2000	1.440	79	63	76	23.8	750
35 r	0.8680	1.0430	107	85	101	26.2	905

Four Core Cables

16 r	1.9100	2.2900	60	47	58	22.3	680
25 r	1.2000	1.4400	79	63	76	25.9	920
35 r	0.8680	1.0430	107	85	101	28.6	1120
50 s	0.6410	0.7710	130	96	121	32.7	1475
70 s	0.4430	0.5530	153	124	152	37.5	2225
95 s	0.3200	0.3850	186	147	184	42.4	2830
120 s	0.2530	0.3050	209	170	215	46.2	3360
150 s	0.2060	0.2490	237	192	247	50.9	3975
185 s	0.1640	0.1990	266	220	285	56.1	4815
240 s	0.1250	0.1510	311	254	336	62.6	5925
300 s	0.1000	0.1230	350	294	399	68.7	7125
400 s	0.0778	0.0962	401	337	459	74.9	8950

Four Core Cables with Reduced Neutral

35 r + 16 r	0.8680/1.9100	1.0430/2.2900	107	85	101	27.0	1020
50 s + 25 r	0.6410/1.2000	0.7710/1.4400	130	96	121	30.9	1330
70 s + 35 r	0.4430/0.8680	0.5330/1.0400	153	124	152	34.6	1675
95 s + 50 s	0.3200/0.6410	0.3850/0.7710	186	147	184	40.7	2585
120 s + 70 s	0.2530/0.4430	0.3050/0.5330	209	170	215	44.5	3100
150 s + 70 s	0.2060/0.4430	0.2490/0.5330	237	192	247	48.5	3590
185 s + 95 s	0.1640/0.3200	0.1990/0.3850	266	220	285	53.2	4300
240 s + 120 s	0.1250/0.2530	0.1510/0.3050	311	254	336	59.6	5325
300 s + 150 s	0.1000/0.2060	0.1230/0.2490	350	294	399	65.4	6365
400 s + 240 s	0.0778/0.125	0.0962/0.151	401	337	459	70.8	8000

The above data is approximate and subjected to manufacturing tolerance.

r : round, Stranded
s : Sector, Stranded

